

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

TXO Production Corp. Attn: Terry Blankenship

3. ADDRESS OF OPERATOR

1800 Lincoln Center Building, Denver, Colorado 80264

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)

At surface

5 FNL, 1156' FWL Section 17-T16S-R26E

At proposed prod. zone

Dakota Sands: 1500' FNL, 1500' FWL Sec. 17-T16S-R26E

Total Depth: 1533' FWL, 1645' FNL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approximately 15 miles NW of Mack, Colorado

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drilg. unit line, if any)

3762'

16. NO. OF ACRES IN LEASE

2560

17. NO. OF ACRES ASSIGNED

TO THIS WELL

320

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

2254'

19. PROPOSED DEPTH

5350' TVD

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6555' GR

22. APPROX. DATE WORK WILL START*

March 10, 1984

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	36#	300'	160 sacks
8 3/4"	7"	20#	1910' MD (1862' TVD)	150 sacks
6 1/4"	4 1/2"	10.5#	5655' MD (5350' TVD)	125 sacks
		TVD	Deviation	Angle
Kickoff depth		500'	0.0'	0.0°
Angle established		1543'	197.0'	21.2°
Initial objective		4965'	1534.0'	21.2°
Total depth		5350'	1683.0'	21.2°

The initial target (Dakota Sands) is located 1500' FNL, 1500' FWL of Section 17-T16S-R26E and is planned with a 250' target radius to comply with applicable state spacing regulations.

TXO Production Corp. proposes to directionally drill the subject well using an angle building rate of 2°/100' in accordance with the above table.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED


R.E. Dashner

TITLE

District Drilling Manager

DATE

February 14, 1984

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

/S/ GENE NODINE

DISTRICT MANAGER

29 MAR 1984

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

FLARING OR VENTING OF
GAS IS SUBJECT TO NTL 4-A
DATED 1/1/80

CONDITIONS OF APPROVAL ATTACHED

State of Utah - 20911

TXO Production Corporation
Well: BMG Federal #4
Surf: Sec. 17, T. 16S., R. 26E.
TD: Sec. 17, T. 16S., R. 26E.
Grand County, Utah
U-05015

Supplemental Stipulations and
Conditions of Approval

1. Location will be moved 40 feet to the north to minimize excessive cuts during pad construction.
2. Vegetative buffer (trees) will be maintained around location to reduce visual impacts.
3. Vegetation will be bladed off with the top 12 inches of topsoil and stockpiled along the southeast edge of the pad.
4. Seed list from TXO BMG #2 well will be used for this location.
5. All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative and dirt contractor to insure compliance.
6. All fresh water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth, cased and cemented. All oil and gas shows will be tested to determine commercial potential.
7. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventors will be pressure tested before drilling casing cement plugs.
8. Blooie line will be misted to reduce fugitive dust when air drilling.
9. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 15 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160.4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the District Manager.

10. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the District Manager. If operations are to be suspended, prior approval of the District Manager will be obtained and notification given before resumption of operations.
11. The spud date will be reported orally to the Area Manager within 24 hours prior to spudding. If the spudding occurs on a weekend or holiday, the report will be submitted on the first regular work day before the spudding occurs.
12. In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed, in duplicate, directly with Royalty Management Accounting Center, Minerals Management Service, P.O. Box 2859, Casper, Wyoming 82602, and a copy forwarded to the Moab BLM District Office, P.O. Box 970, Moab, Utah 84532.
13. If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the District Manager, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.
14. Should the well be successfully completed for production, the District Manager will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than the first business day following the date on which the well is placed on production.
15. No well abandonment operations will be commenced without the prior approval of the District Manager. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the District Manager. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the District Manager within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the District Manager or his representative, or the appropriate Surface Managing Agency.
16. A first production conference will be scheduled within 15 days after receipt of the first production notice.
17. Upon completion of approved plugging, erect the regulation marker in accordance with 43 CFR 3162.2 and clean up the location. The marker should not be less than 4 inches in diameter and extend approximately

4 feet above general ground level. Heap up dirt around the base of the marker about 18 inches to take care of any settling of the cellar. The top of the marker must be closed or capped.

The following minimum information shall be permanently placed on the marker with a plate, cap, or beaded-on with a welding torch:

"Fed" or "ind", as applicable.

"Well number, location by $\frac{1}{4}$ section, township and range."

18. All permanent (on site for six months or longer) structures constructed or installed (including oil well pump jacks) will be painted a flat, non-reflective, earthtone color to match the standard environmental colors, as determined by the Rocky Mountain 5 State Interagency Committee. All facilities will be painted within 6 months of installation. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded. Suitable colors would be Juniper Green.
19. All produced liquids must be contained, including the dehydrator vent/condensate line effluent.
20. All loading lines will be placed inside the berm surrounding the tank battery.
21. All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.
22. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.
23. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.
24. Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the well head to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.
25. The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The District Manager will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Moab District office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.
26. A copy of the gas sales contract will be provided to this office and the Royalty Accounting Department.

27. Produced waste water will be contained to a unlined pit for a period not to exceed 90 days after initial production. During the 90 day period an application for approval of a permanent disposal method and location, along with required water analysis, will be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance, and will be grounds for issuing a shut-in order.
28. There will be no deviation from the proposed drilling and/or workover program without prior approval from the District Manager. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.2.
29. "Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3164.
30. A cultural resource clearance will not be required before any construction begins. If any cultural resources are found during construction, all work will stop and the Area Manager will be notified.
31. This permit will be valid for a period of one year from the date of approval. After permit termination a new application will be filed for approval for any future operations.

ONSITE

DATE: February 28, 1984

PARTICIPANTS:

TITLES:

Your contact with the District Office is: Robert (Bob) Graff

Office Phone: 801-259-6111 Ext 216

City: Moab State: Utah

Resource Area Manager's address and contacts are:

Address: Old Sand Flat Road, P.O. Box M, Moab, Utah 84532

Your contact is: Wayne Svejnoha

Office Phone: 801-259-8193

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☒PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒OTHER ☐DIVISION OF SINGLE
OIL, GAS & MINING ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

TXO Production Corp. Attn: Terry Brankenship

3. ADDRESS OF OPERATOR

1800 Lincoln Center Building, Denver, Colorado 80264

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

5' FNL, 1156' FWL Section 17-T16S-R26E

Dakota Sands: 1500' FNL, 1500' FWL Sec. 17-T16S-R26E

At proposed prod. zone

Total Depth: 1533' FWL, 1645' FNL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approximately 15 miles NW of Mack, Colorado

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

3762'

16. NO. OF ACRES IN LEASE

2560

17. NO. OF ACRES ASSIGNED

TO THIS WELL

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18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

2254'

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5350' TVD

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6555' GR

22. APPROX. DATE WORK WILL START*

March 10, 1984

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PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	36#	300'	160 sacks
8 3/4"	7"	20#	1910' MD (1862' TVD)	150 sacks
6 1/4"	4 1/2"	10.5#	5655' MD; (5350' TVD)	125 sacks

	TVD	Deviation	Angle	MD
Kickoff depth	500'	0.0'	0.00	500'
Angle established	1543'	197.0'	21.20	1567'
Initial objective	4965'	1534.0'	21.20	5242'
Total depth	5350'	1683.0'	21.20	5655'

The initial target (Dakota Sands) is located 1500' FNL, 1500' FWL of Section 17-T16S-R26E and is planned with a 250' target radius to comply with applicable state spacing regulations.

TXO Production Corp. proposes to directionally drill the subject well using an angle building rate of 2°/100' in accordance with the above table.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

RE Dashner
R.E. Dashner

TITLE

District Drilling Manager

DATE

February 14, 1984

(This space for Federal or State office use)

PERMIT NO.

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE:

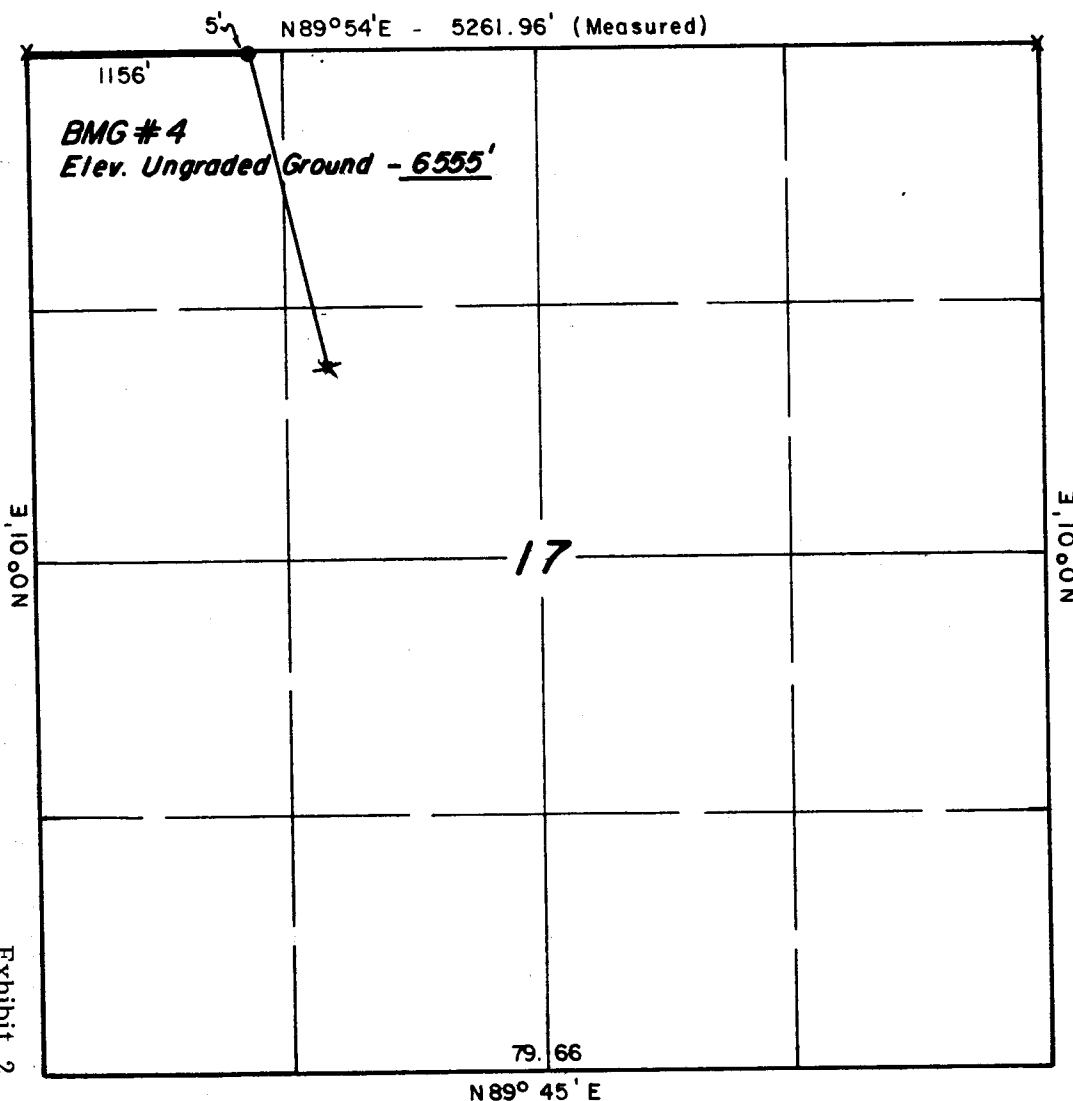
BY:

2/14/84
[Signature]

T16S, R26E, S.L.B.&M.

PROJECT
TXO PRODUCTION CORP.

Well location, **BMG #4**, located
as shown in the NW1/4 NW1/4
Section 17, T16S, R26E, S.L.B.&M.
Grand County, Utah.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

Nelson J. [Signature]

REGISTERED LAND SURVEYOR
REGISTRATION NO 2454
STATE OF UTAH

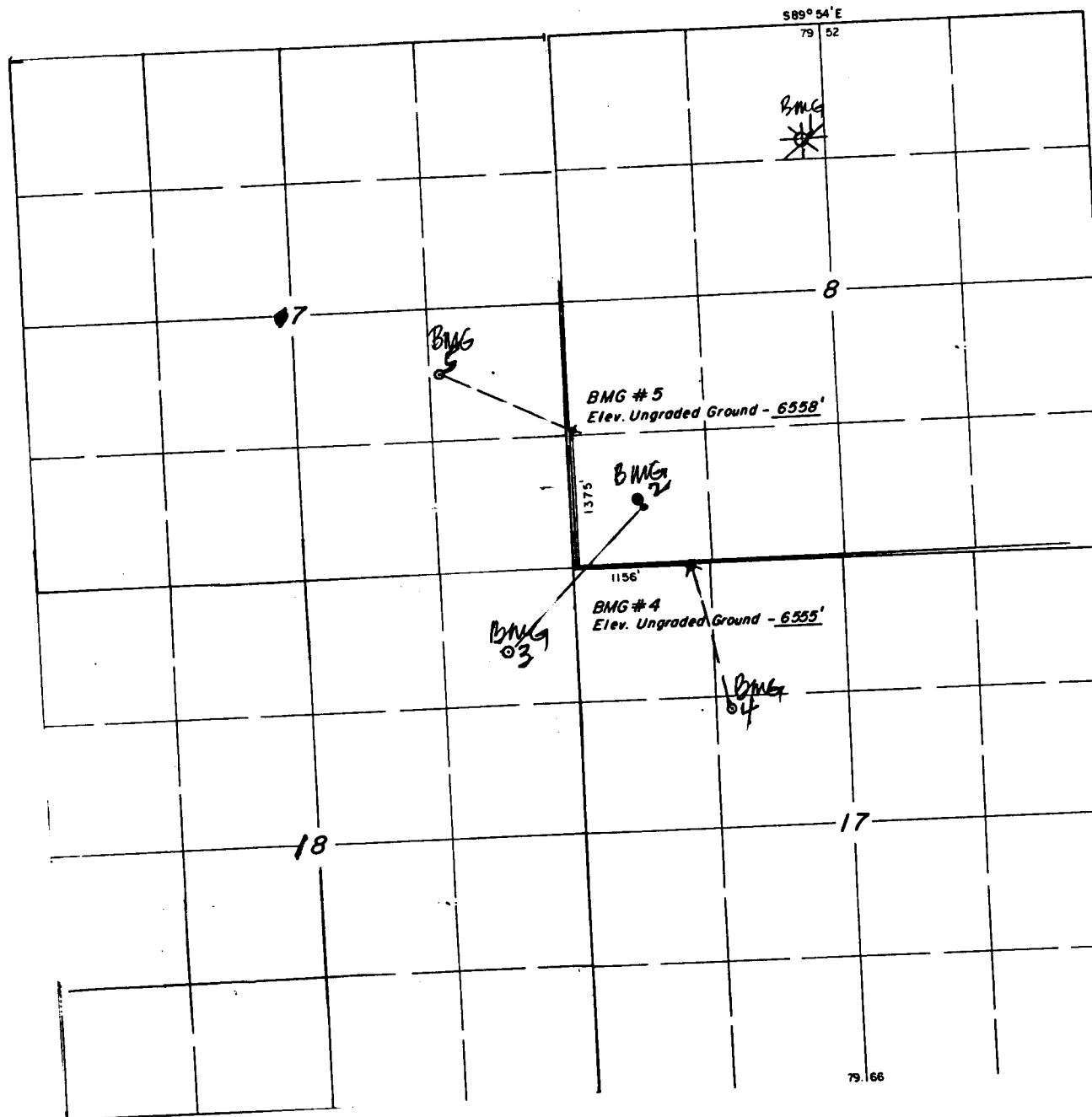
UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q - 85 SOUTH - 200 EAST
VERNAL, UTAH - 84078

SCALE	1" = 1000'	DATE	2/7/84
PARTY	DB BK GS	RP	REFERENCES
WEATHER	Fair	FILE	GLO Plat
			TXO

X = Section Corners Located

T16S, R26E, S.L.B. 8M.

T16S, R26E, S.L.B. 8M.



9331 C ADDENDUM
BMG Federal #4
Section 17-T16S-R26E
Grand County, Utah

1. SURFACE FORMATION: Mesa Verde
2. ESTIMATED FORMATION TOPS:

Castlegate	1462'	
Mancos	1662'	
Dakota	4965'	Depths given are true vertical depths (TVD)
Morrison	5235'	
Total Depth	5350'	

3. ESTIMATED DEPTH AT WHICH OIL, GAS, WATER OR OTHER MINERAL BEARING ZONES ARE EXPECTED TO BE ENCOUNTERED:

Expected Gas Zones: Dakota 4965' (TVD)

Water may be encountered in the Mesaverde and Castlegate Formations.

4. DIRECTIONAL DRILL PROGRAM:

As indicated on Form 9-331C, TXO Production Corp. proposes to directionally drill the subject well. Major depths and angles are listed below:

	<u>TVD</u>	<u>Deviation</u>	<u>Angle</u>	<u>MD</u>
Kickoff depth	500'	0.0'	0.0°	500'
Angle established	1543'	197.0'	21.2°	1567'
Initial objective	4965'	1534.0'	21.2°	5242'
Total depth	5350'	1683.0'	21.2°	5655'

During kickoff, an angle building rate of 2°/100' will be employed with surveys to be taken at between 30 and 90 foot intervals as required by hole conditions. When a total angle of 21.2°, from vertical is established, the angle will be held to the proposed TD of 5350' (TVD). The bottomhole target (Dakota sand group) is located 1500' FNL, 1500' FWL of Section 18 and is planned with a 250' target radius to comply with applicable state spacing regulations. Again, surveys through this stage of the hole will be dictated by hole conditions.

5. CASING PROGRAM AS PER FORM 9-331 C.
6. PRESSURE CONTROL EQUIPMENT:
 - A. After surface casing is set, a double ram-type blowout preventer with blind rams and pipe rams, with minimum working pressure of 2000 psi (greater than the anticipated bottomhole pressure of 1100 psi), will be installed. See Exhibit 1.

- B. A choke control, fill and kill lines with minimum working pressure of 2000 psi will be installed.
- C. A rotating pack-off head will be installed above the blowout preventer to control flow while drilling with air.
- D. The equipment in A and B will be pressure-tested to 2000 psi before drilling surface pipe cement, and the blowout preventer will be tested for operations daily and during trips.

7. MUD PROGRAM:

0-300' Air or air mist. If necessary will use spud mud at 8.8-9.2#/gal. vis. 35-45 sec. API.

300'-TD Air or air mist. If necessary, will use 3% KCL mud at 8.6-8.8 wt., vis. 28-32 sec. API.

8. AUXILIARY EQUIPMENT

- A. A kelly cock will be used.
- B. A float valve will be run in the drill string above the bit.
- C. A sub with full opening valve will be kept on the derrick floor to stab into DP when kelly is not in use.

9. CORING, LOGGING, TESTING PROGRAM:

- A. No coring is anticipated.
- B. Logging program will consist of: DIL from TD to intermediate pipe, GR from TD to surface pipe and FDC-SNP-GR-CAL from TD to 2000' above TD; if logged wet, FDC-CNL-GR-CAL from TD to 2000' above TD.
- C. No testing is anticipated.

10. ABNORMAL CONDITIONS:

- A. No abnormal pressures or temperatures are expected.
- B. No hazardous gases such as H₂S are expected.
- C. While drilling with gas or air, return fluids will be directed through the blow line to the reserve pit. All open fires or ignition sources will be prohibited on location while gas or air drilling. A pilot flame will be maintained at the end of the blow line (located 125' from the wellhead) to insure burning of return gases that are combustible.

11. ANTICIPATED STARTING DATES:

Start location construction	March 10, 1984
Spud date	March 20, 1984
Complete drilling	April 5, 1984
Completed, ready for pipeline	April 20, 1984

12. Productive zones will be perforated, tested and treated as necessary. Gas will be flared during testing. Produced water will be contained in the unlined drilling reserve pit. The extent of treatment of a zone (acidizing and/or fracing) can only be determined after the zone has been tested. A completion program will be furnished after drilling and logging.

TXO PRODUCTION CORP.
MULTIPOINT SURFACE USE AND OPERATIONS PLAN

DATE: February 14, 1984

WELL NAME: BMG Federal #4

SURFACE LOCATION: 5' FNL, 1156' FWL, Section 17-T16S-R26E, Grand County, Utah.

FEDERAL OIL & GAS LEASE NO.: U-05015

1. EXISTING ROADS

- A. Proposed well site as staked. Refer to Exhibit 2. The well has been staked 5' FNL and 1156' FWL in Section 17-T16S-R26E.
- B. Route and distance from nearest town or locatable reference point to where proposed access route leaves main road: From Mack Colorado, proceed west 2.3 miles on State Highway 6 & 50 to Eight Road in Colorado. Turn right on Eight road and proceed north 2.7 miles. Turn left, remaining on pavement, and proceed west 3.0 miles to a curve. Continue to follow the well-traveled and maintained road northwest for 3.1 miles to a fork. Take the left fork and proceed 3.1 miles to a fork. Take the right fork (left fork continues up Jim Canyon) and proceed up Prairie Canyon 1.8 miles to a fork. Take the left fork and proceed up Cottonwood Canyon for 1.6 miles to the Moxa Federal #1 well site. From this point the road proceeds out of the canyon bottom for 1.3 miles to the location of the BMG Federal #2 and #3.
- C. Access route to location color coded in red and labeled. Refer to Exhibit 3.
- D. For development well, all existing roads within one mile color coded in yellow. Refer to Exhibit 4.
- E. Plans for improvement and maintenance of existing roads: The existing roads should not require any upgrading. During wet periods some maintenance may be necessary to allow passage by drilling rigs and well servicing vehicles. Dry periods necessitate watering the road to control dust.

2. PLANNED ACCESS ROAD

Show all necessary roads to be constructed or reconstructed: An access road, approximately 700 feet long, will be built from the existing BMG #3 pad. Refer to Exhibit 5.

3. LOCATION OF EXISTING WELLS

Exhibit 6 is a one-mile radius locating and identifying the following:

- A. Water Wells-None
- B. Abandoned Wells-None
- C. Temporarily Abandoned Wells-None

- D. Disposal Wells-None
- E. Drilling Wells-None
- F. Producing Wells-Tenneco 4 State, Section 16-T16S-R26E
- G. Shut-in Wells - TXO BMG Federal #2, Section 8-T16S-R26E
TXO BMG Federal #3, Section 18-T16S-R26E
- H. Injection Wells-None
- I. Monitoring or Observation Wells for Other Reasons-None

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

- A. Exhibit 6 is a one-mile radius locating the following existing facilities owned by the lessee/operator:
 - 1. Tank Batteries-None
 - 2. Production Facilities-None
 - 3. Oil Gathering Lines-None
 - 4. Gas Gathering Lines-None
 - 5. Injection Lines-None
 - 6. Disposal Lines-None
- B. If new facilities are contemplated, in the event of production, show:
 - 1. Proposed facilities and attendant lines in relation to the well pad. Refer to Exhibit 7.
 - 2. Dimensions of facilities: Refer to Exhibit 7.
 - 3. The production facilities will include a production pit, a production unit, a meter run, and, if necessary, a dehydrator. The facilities will be located as shown on Exhibit 7. The pit will be located in cut, will contain all water production and be built in accordance with NTL-2B specifications. All connection work will be done by an oil field service company using standard oil field materials.
 - 4. Protective devices and measures to protect livestock and wildlife: The water production pit will be fenced with barbed wire to protect livestock and wildlife.

5. LOCATION AND TYPE OF WATER SUPPLY

- A. **Location and type of water supply: Water will be obtained from West Salt Wash in Colorado.**
- B. Method of transporting water: The water will be hauled in trucks by a certified water hauler along the route shown in green on Exhibit 3.
- C. If water well is to be drilled, so state: No water well is contemplated.

6. SOURCES OF CONSTRUCTION MATERIALS

- A. Show information either on map or by written description: It is anticipated that cuts on location will furnish sufficient quantities of materials to construct a level location. Topsoil will be stockpiled on the southwest corner of the pad for later use during rehabilitation on the disturbed areas. Additional material, if needed, will be purchased from the dirt contractor.

- B. Identify if from Federal or Indian Land: The affected land is Federal and under the management of the Bureau of Land Management.
- C. Show any needed access roads crossing Federal or Indian Lands: The new access road will cross BLM administered lands in Section 8-T16S-R26E on Lease U-05015. Refer to Exhibits 4 and 5.

7. METHODS OF HANDLING WASTE DISPOSAL

- A. Cuttings will be contained and disposed of in the reserve pit.
- B. Drilling fluids will be contained and disposed of in the reserve pit. While drilling with air or gas, a dust arresting system will be installed on the blow line.
- C. Produced fracing fluids will be directed to the reserve pit for evaporation.
- D. Sewage: A portable chemical toilet will be on location during operations.
- E. Garbage and other trash will be placed in a trash bin and removed to a sanitary landfill upon completion.
- F. Protective Devices: The flare pit (if necessary) will be fenced with woven wire and flagged to protect animals. The drilling reserve pit will be fenced on three sides during drilling, and on the fourth side prior to the rig moving off location.
- G. Statement regarding proper cleanup when rig moves out: When the rig moves out, all trash and refuse will be removed from the location and hauled to a sanitary landfill. All pits will be filled after drying and the area restored as under Item 10 of this plan.

8. ANCILLARY FACILITIES

Identify all proposed camps and airstrips on a map as to their location, area required and construction methods: None planned.

9. WELL SITE LAYOUT ATTACHMENT AND PROPOSED RIG LAYOUT

- A. Cross section of drill pad with cuts and fills: Refer to Exhibit 8.
- B. Location of mud tank, reserve pit, trash bin, pipe racks and other facilities: Refer to Exhibit 8.
- C. Statement regarding pit lining: Reserve pit will be unlined. However, if the sub-surface structure is too porous or is highly fractured, a 1 to 2 inch layer of bentonite will be used as a lining for the pit.

10. PLANS FOR RESTORATION OF SURFACE

- A. Backfilling, leveling, contouring, and waste disposal: Upon completion of the well, the site will be cleared of all debris and the mouse and rat holes filled. The reserve pit will be dried and then will be backfilled. Disturbed areas of the pad not needed for production facilities will be graded to an appearance consistent with the natural contours. These areas will then be covered with topsoil, disked and reseeded with a seed mixture recommended by the BLM. If the well is not commercially productive, the entire pad will be reclaimed as described above.

In the event the well is not commercially productive, that portion of the access road requested by BLM to be rehabilitated will be covered with topsoil, disked and reseeded with a BLM-recommended seed mixture. Shrubby plants removed during road construction will be scattered randomly along the road to provide a natural appearance, control erosion and enhance seed production.

- B. Prior to rig release, pits will be fenced and so maintained until cleanup can be properly done.
- C. If any oil is in the pit, it will be removed or overhead flagging will be installed.
- D. Timetable for commencement and completion of rehabilitation operations: Rehabilitation will commence when drilling operations are completed, approximately April 20, 1984 and will be completed within approximately one year.

11. OTHER INFORMATION

General description of:

- A. Topography, soil characteristics, geologic features, flora, fauna: The well site is located on relatively flat ground. The soil in the area consists of a silty loam. Vegetation accounts for approximately 60 percent of the ground cover and is comprised of pinon pine, big sagebrush, juniper, oak brush, herbs and native grasses. Animals inhabiting the area include deer, small mammals, and birds.
- B. Other surface-use activities and surface ownership of all involved lands: The affected land is federally owned. The primary surface uses are for oil and gas production and livestock grazing.
- C. Proximity of water, occupied dwellings, archeological, historical or cultural sites: There are no live streams in the immediate area. An ephemeral stream flows through Cottonwood Canyon. An archeological survey was performed for the BMG Federal #2 location. This survey covers an extra large area which will include any additional disturbance associated with the BMG Federal #4.

12. LESSEE'S OR OPERATOR'S REPRESENTATIVES

Include the name, address and phone number of the lessee's or operator's field representative who is responsible for assuring compliance with the approved surface use and operations plan.

R.E. Dashner
District Drilling Manager
TXO Production Corp.
1800 Lincoln Center Building
1660 Lincoln Street
Denver, Colorado 80264
(303) 861-4246 - Business
(303) 690-5658 - Residence

Comments regarding the content of this plan or arrangements for an on-site inspection should be directed to:

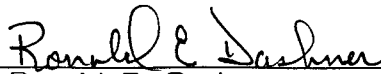
Terry Blankenship
Environmental Scientist
TXO Production Corp.
1800 Lincoln Center Building
1660 Lincoln Street
Denver, Colorado 80264
(303) 861-4246 - Business
(303) 988-9343 - Residence

13. CERTIFICATES

The following statement is to be included in the plan and must be signed by the lessee's or operator's field representative who is identified in Item No. 12 of the plan.

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access roads; that I am familiar with the conditions which presently exist; and that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by TXO Production Corp. and its contractors, subcontractors in conformity with this plan and the terms and conditions under which it is approved.

DATE: February 14, 1984



Ronald E. Dashner
District Drilling Manager

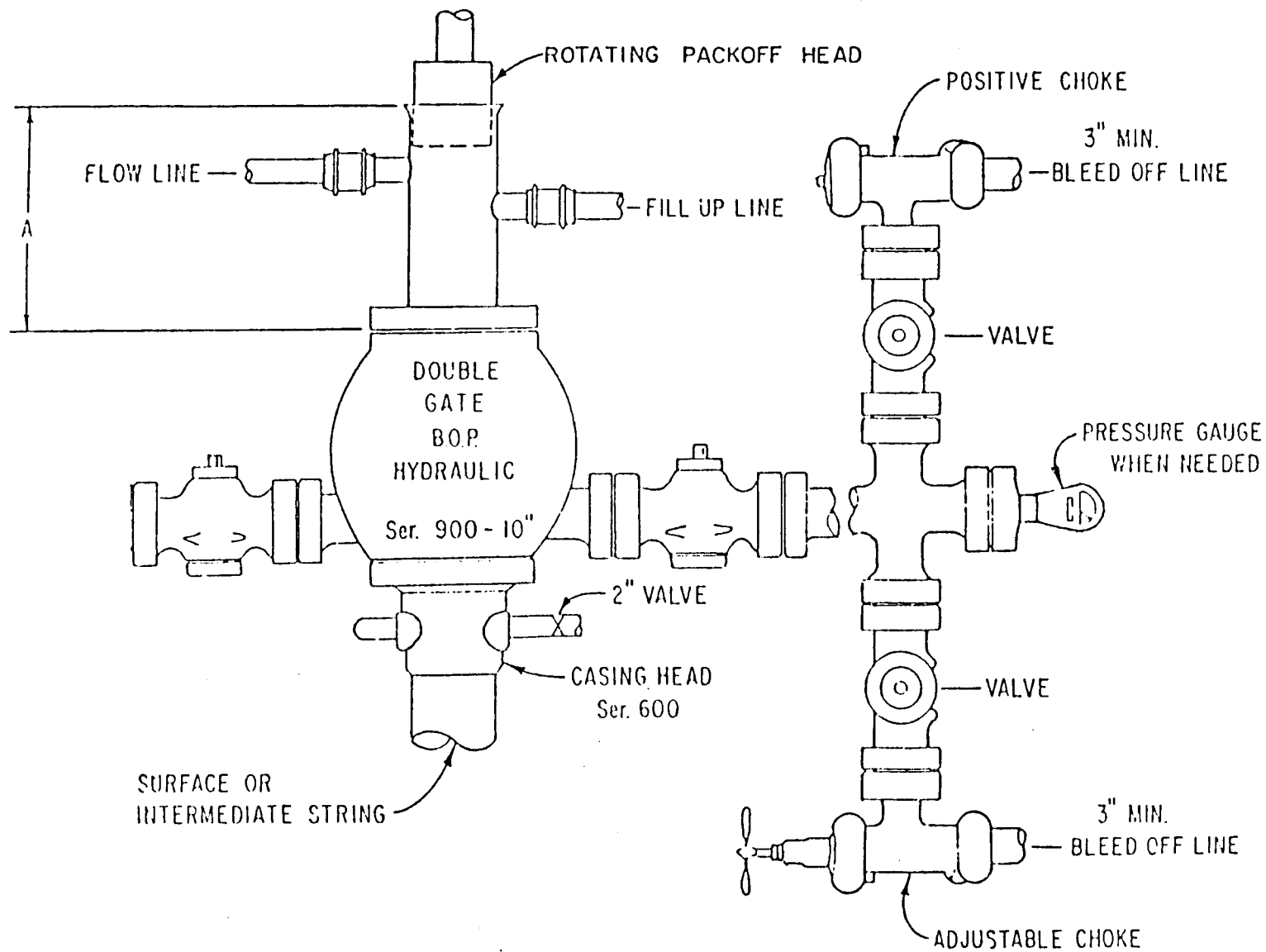
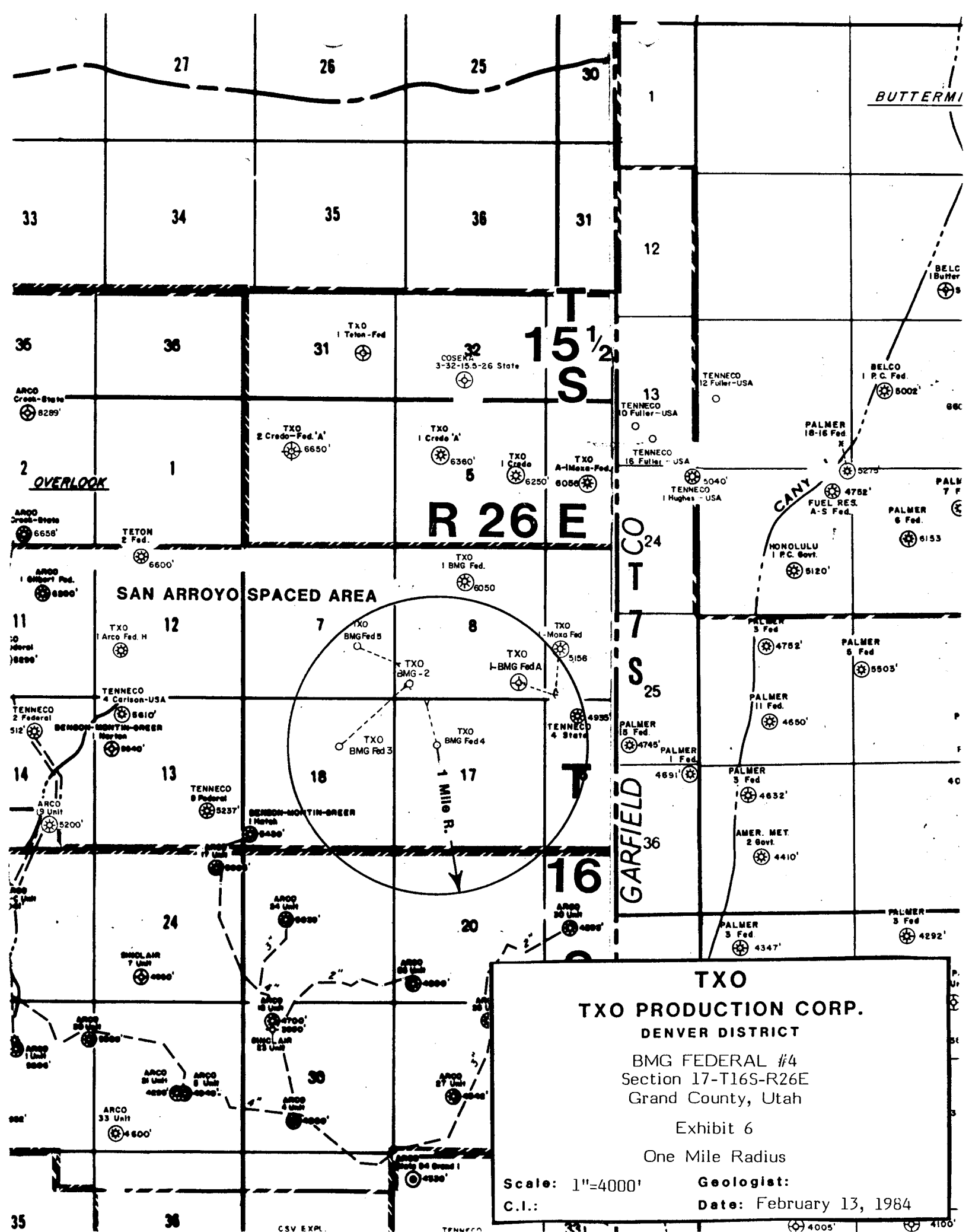
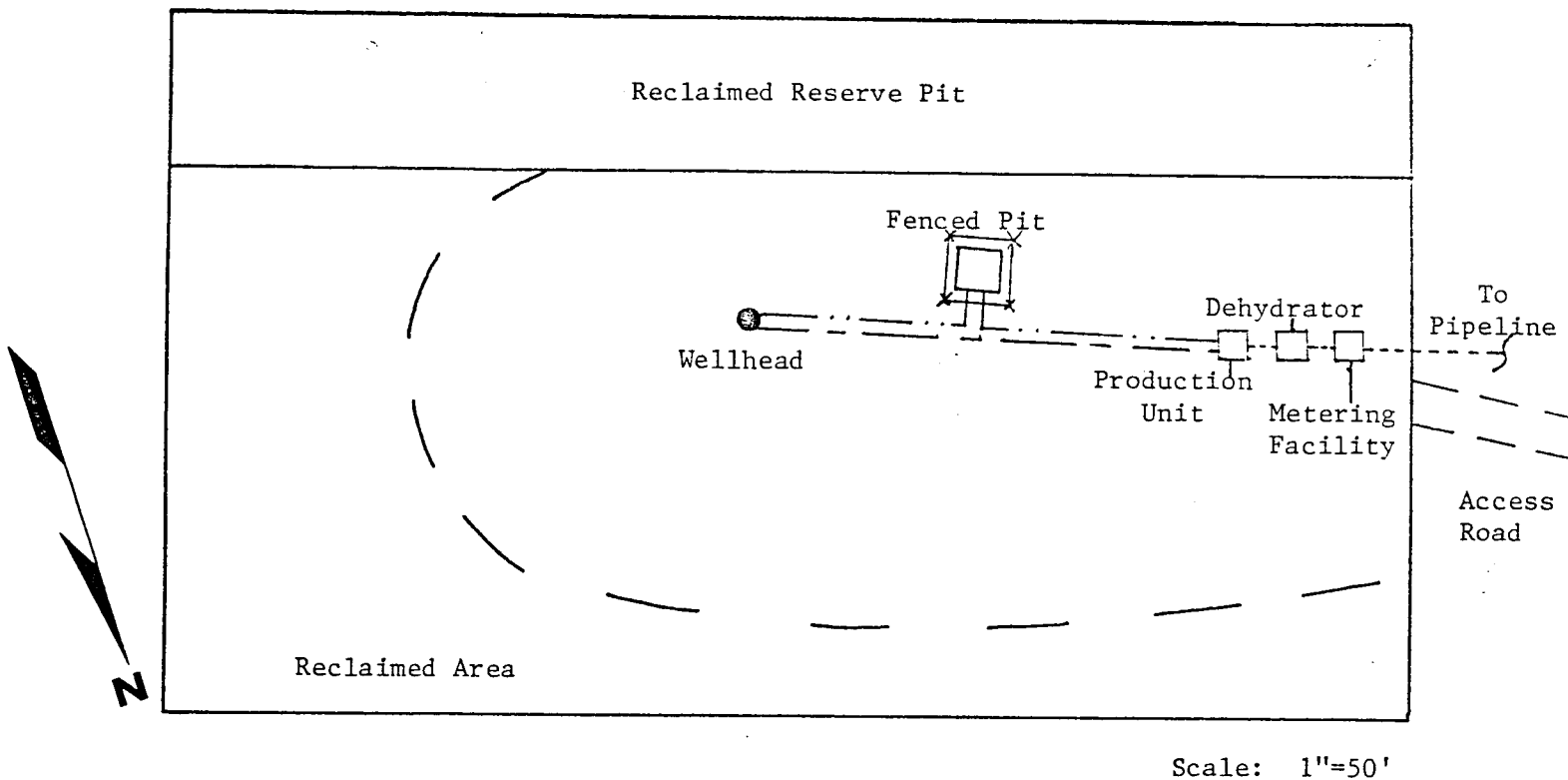


EXHIBIT I
 BLOWOUT PREVENTER DIAGRAM





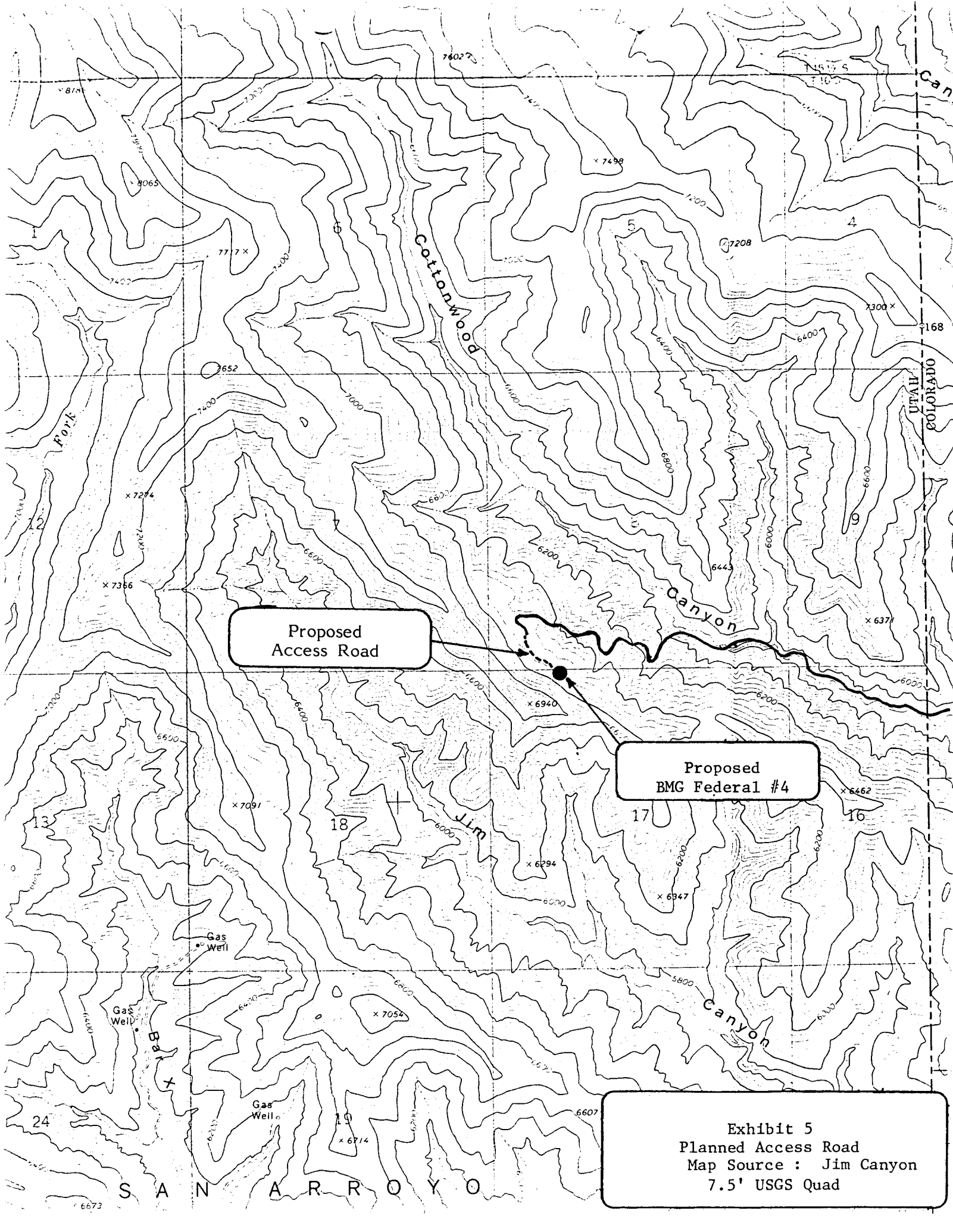
- 1) Pits will be 10' x 10' x 6' deep and will be surrounded by fence.
- 2) Sacrificial magnesium anodes will be used, if necessary, to control corrosion.
- 3) All pipelines will be coated and wrapped, then buried.
- 4) A surface mounted high/low safety shutdown system will be installed.
- 5) The separator will be an ASME coded vessel.

TXO PRODUCTION CORP.

BMG Federal #4

PRODUCTION FACILITIES

Exhibit 7



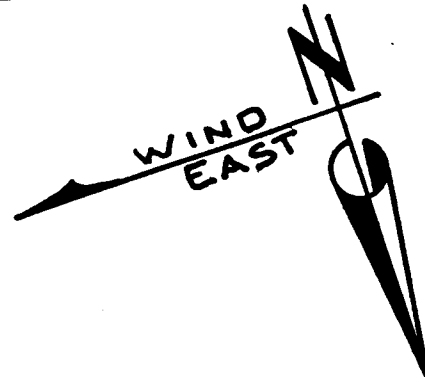
Proposed
Access Road

Proposed
BMG Federal #4

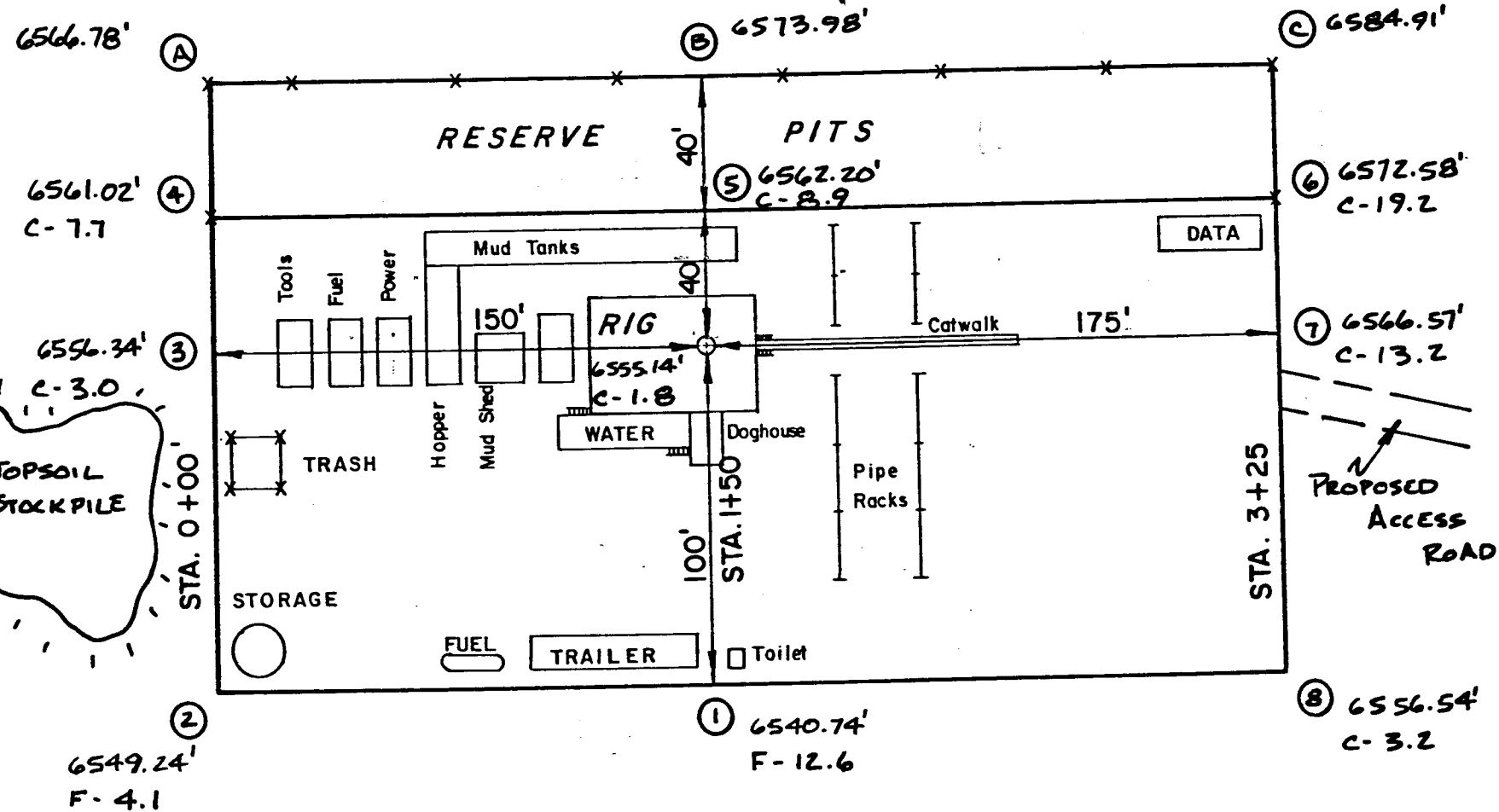
Exhibit 5
Planned Access Road
Map Source : Jim Canyon
7.5' USGS Quad

TXO PRODUCTION CORP.

BMG #4

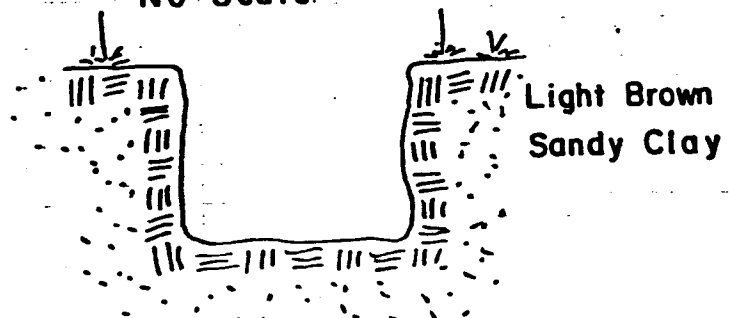


SCALE: 1" = 50'
DATE: 2/7/84



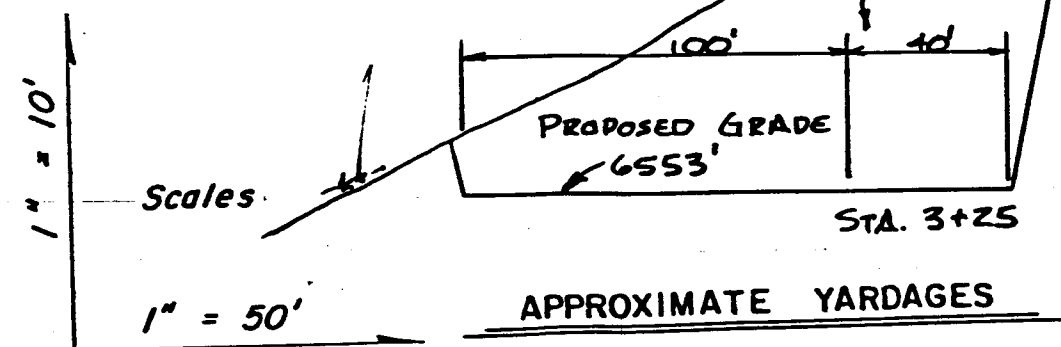
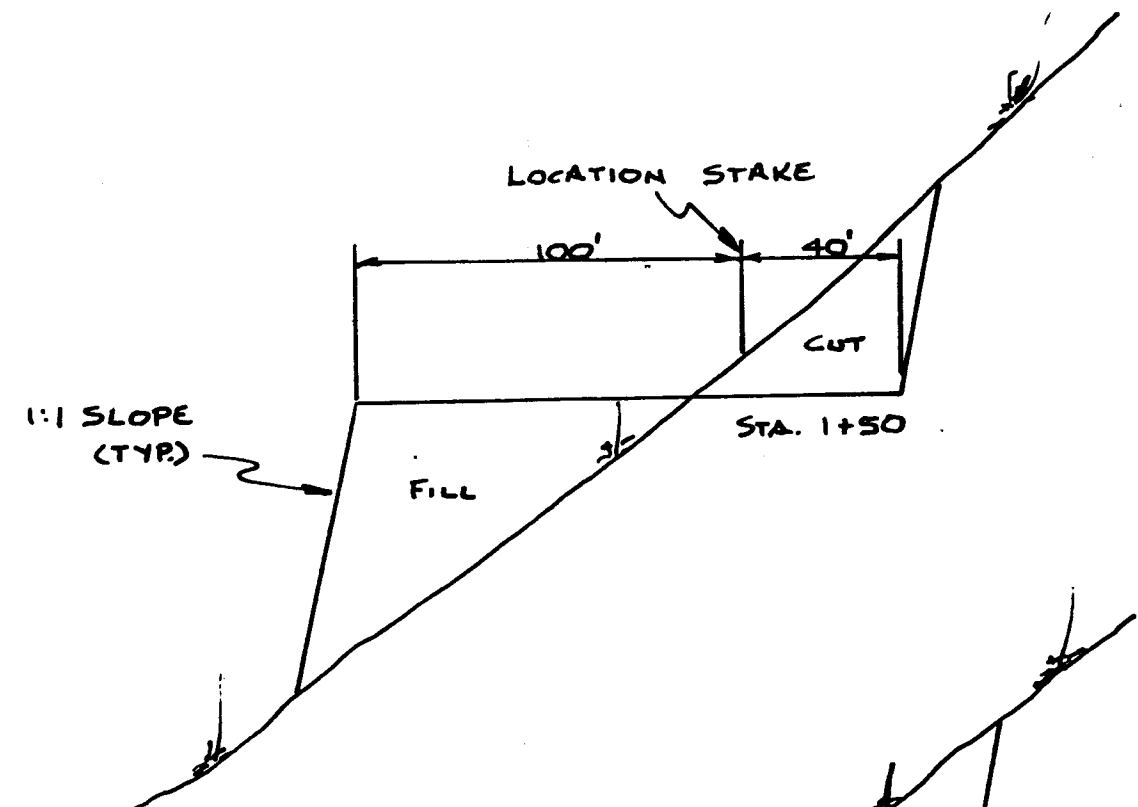
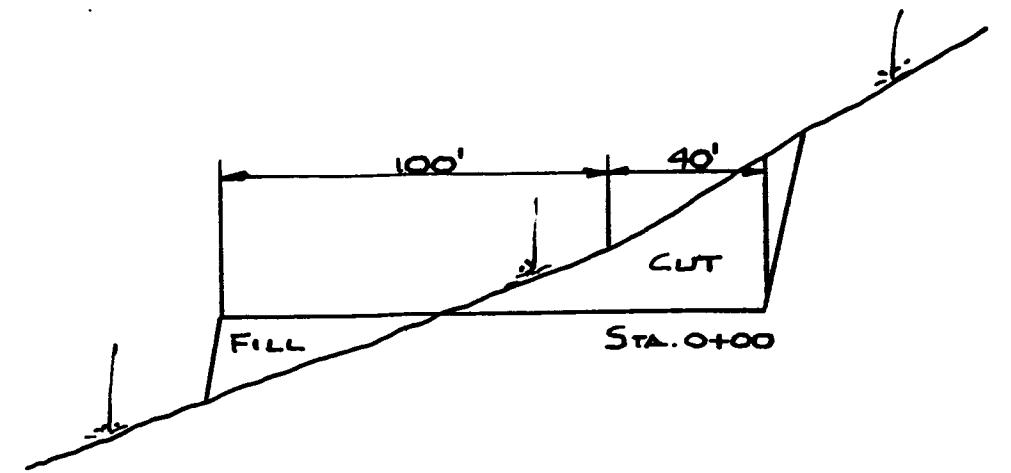
SOILS LITHOLOGY

- No Scale -

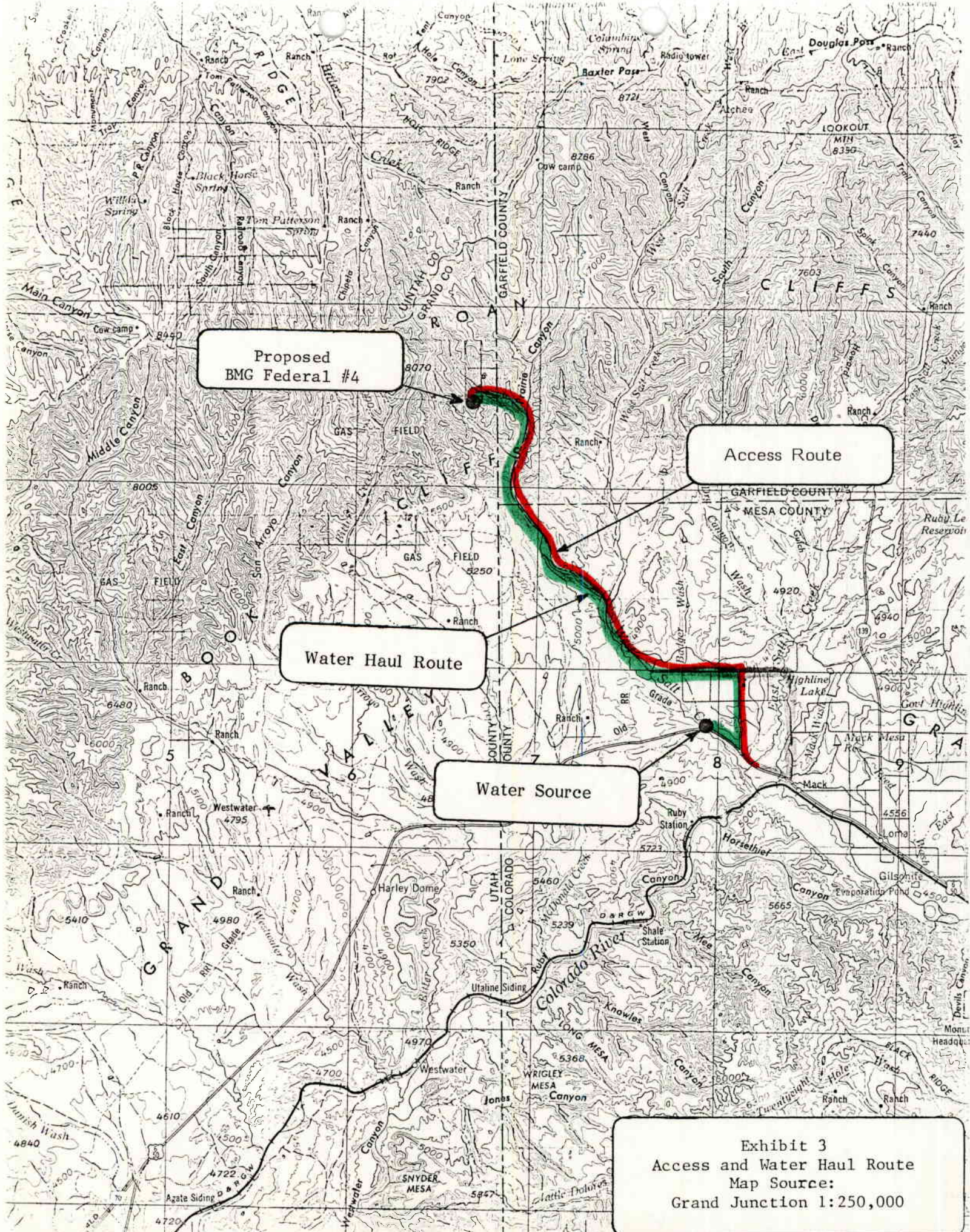


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Cu. Yds. Cut - 8915
Cu. Yds. Fill - 4290



Proposed
BMG Federal #4

Access Route

Water Haul Route

Water Source

Exhibit 3
Access and Water Haul Route
Map Source:
Grand Junction 1:250,000

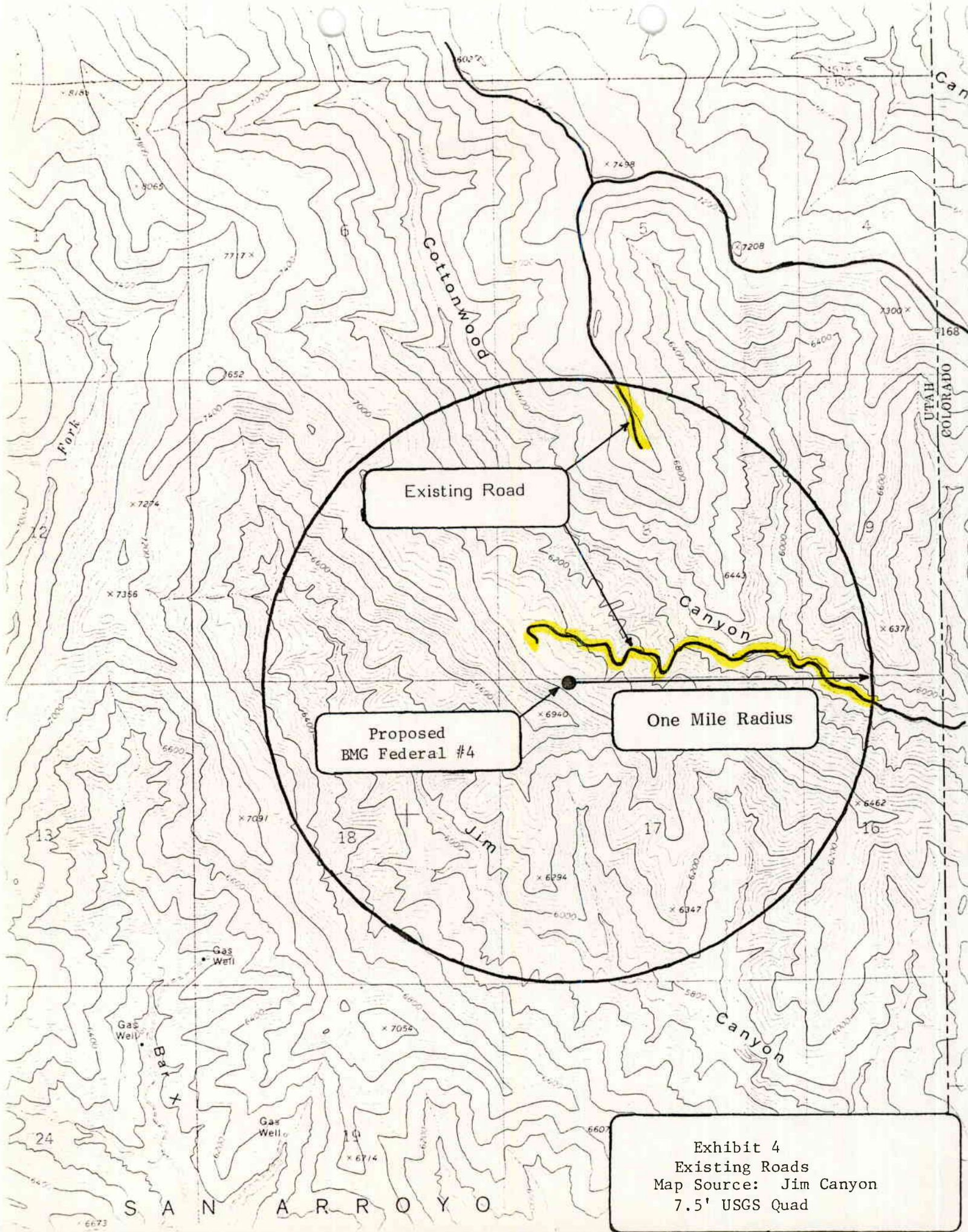


Exhibit 4
Existing Roads
Map Source: Jim Canyon
7.5' USGS Quad

OPERATOR

TXO Production Corp

DATE

2-17-84

WELL NAME

BMG Fed #4

SEC (CHL) SENW 17

T 16S

R 26E

COUNTY

Grand

43-019-31130

API NUMBER

Fed

TYPE OF LEASE

POSTING CHECK OFF:

☐

INDEX

☐

MAP

☐

HL

☐

NLD

☐☐

PI

PROCESSING COMMENTS:

Water & - (Colorado)

No other wells -

✓ CHIEF PETROLEUM ENGINEER REVIEW:

2/20/84. BLM is an exception to 250' between wells as referenced in Order #107-1.

Commingling of Dakota & Morrison not authorized.

APPROVAL LETTER:

SPACING:

☐

A-3

UNIT

☒

c-3-a

107-1 2/11/85

CAUSE NO. & DATE

☐

c-3-b

☐

c-3-c

✓ SPECIAL LANGUAGE:

1 - Directional survey info @ completion

- ☒ RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.
- ☒ AUTHENTICATE LEASE AND OPERATOR INFORMATION
- ☒ VERIFY ADEQUATE AND PROPER BONDING
- ☒ AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.
- ☐ APPLY SPACING CONSIDERATION
- ☒ ORDER 107-1 2/11/65
- ☐ UNIT _____
- ☐ c-3-b
- ☐ c-3-c
- ☒ CHECK DISTANCE TO NEAREST WELL.
- ☐ CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.
- ☒ IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER
- ☒ IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.
- ☒ VERIFY LEGAL AND SUFFICIENT DRILLING WATER

February 20, 1984

TXO Production Corporation
Attn: Terry Blankenship
1800 Lincoln Center Bldg.
Denver, Colorado 80264

RE: Well No. BMG Fed. #4
K(Surface) NWNW 17, 16S, 26E
5' FNL, 1156' FWL
(BHL) SENE Sec. 17, T.16S, R.26E
1500' FNL, 1500' FWL
Grand County, Utah

Gentlemen:

Approval to drill the above referenced gas well is hereby granted in accordance with Order of Cause No. 107-1 dated February 11, 1965. subject to the following stipulations:

1. Submittal of directional drilling data upon completion of drilling operations to properly ascertain the location of the producing formation.


In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify R. J. Firth, Chief Petroleum Engineer, Telephone (801) 533-5771 (Office), 571-6068 (Home).
4. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

TXO Production Corporation
Well No. BMG Fed. #4
February 21, 1984

The API number assigned to this well is 43-019-31130.

Sincerely,



R. J. Firth
Chief Petroleum Engineer

RJF/as
cc: Branch of Fluid Minerals
Enclosures

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: TXO

WELL NAME: BMG FED. #4

SECTION SENECA 17 TOWNSHIP 16S RANGE 26E COUNTY GRAND

DRILLING CONTRACTOR VECO

RIG # 9

SPUDDED: DATE 4-15-84

TIME 1:00 PM

How Rotary

DRILLING WILL COMMENCE

REPORTED BY Chuck John

TELEPHONE # 303-861-4246

DATE 4-16-84 SIGNED AS



TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

April 27, 1984

RECEIVED

APR 30 1984

**DIVISION OF OIL
GAS & MINING**

STATE OF UTAH
Natural Resources & Energy
Oil, Gas, & Mining
4241 State Office Building
Salt Lake City, Utah 84114

RE: BMG FEDERAL #4
Section 17, T16S-R26E
Grand County, Utah

Gentlemen:

Please find enclosed three (3) copies of Form 9-331,
"Sundry Notices and Reports on Wells", reporting the
spudding of the above referenced well.

If there are any further questions concerning this
well, please contact me at this office.

Sincerely,

TXO PRODUCTION CORP.

Charles H. Johns
Petroleum Engineer

CHJ/dek
encls.



RECEIVED

APR 30 1984

Form 9-331
Dec. 1973Form Approved.
Budget Bureau No. 42-R1424UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYDIVISION OF OIL
GAS & MINING
LEASE
U-05015

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☒ other2. NAME OF OPERATOR
TXO PRODUCTION CORP.3. ADDRESS OF OPERATOR
1800 Lincoln Cntr. Bldg. Denver, Co. 802644. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 5' FNL & 1156' FWL, Sec. 17
AT TOP PROD. INTERVAL: 1500' FNL & 1500' FWL
AT TOTAL DEPTH: 1533' FWL & 1645' FNL

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) spud☐
☐
☐
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☐

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

BMG Federal

9. WELL NO.

1/4

10. FIELD OR WILDCAT NAME

San Arroyo

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Surf Sec 17

TD: Sec. 17, T16S-R26E

12. COUNTY OR PARISH

Grand

13. STATE

Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6555' GL, 6571' KB

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Spud 12-1/4" hole @ 1 PM 4/15/84.

Reported spud to Robert Graff of the BLM (Moab, Utah office), and Arlene Sollis of the State of Utah @ 1 PM 4/16/84.

Subsurface Safety Valve: Manu. and Type

Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED

Charles A. John

TITLE Petroleum Engineer

DATE

4/17/84

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

RECEIVED

JUN 8 1984

**DIVISION OF OIL
GAS & MINING**

June 6, 1984

DIVISION OF OIL, GAS, & MINING
4241 State Office Building
Salt Lake City, Utah 84114

Attn: Mr. Cleon B. Feight
Director

RE: BMG FEDERAL #4
Section 17, T16S-R26E
Grand County, Utah

Dear Mr. Feight:

Enclosed find two (2) copies of Form 9-330, "Well Completion or Recompletion Report and Log" and copies of the well history and directional surveys for the above referenced well.

If there are any further requirements concerning this well, please contact me at this office.

Sincerely,

TXO PRODUCTION CORP.

Mark E. Repasky
Petroleum Engineer

MER/dek
encls.



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

U-05015

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

BMG Federal

9. WELL NO.

#4

10. FIELD AND POOL, OR WILDCAT

San Arroyo

11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA

Surf: 17-16S-26E

T.D.: 17-16S-26E

12. COUNTY OR
PARISH

Grand

13. STATE

Utah

1a. TYPE OF WELL:

OIL
WELL☐GAS
WELL☒

DRY

Other

b. TYPE OF COMPLETION:

NEW
WELL☒WORK
OVER☐DEEP-
EN☐PLUG
BACK☐DIFF.
RESVR.

Other

JUN 8 1984

2. NAME OF OPERATOR

TXO PRODUCTION CORP.

3. ADDRESS OF OPERATOR

DIVISION OF OIL

GAS & MINING

1800 Lincoln Center Bldg., Denver, Colorado 80264

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 5' FNL & 1156' FWL, Sec. 17 NW NW

At top prod. interval reported below 1595' FNL & 1381' FWL, Sec. 17 SE NW

At total depth 1629' FNL & 1359' FWL,
Sec. 17

14. PERMIT NO.

DATE ISSUED

43-019-31130

15. DATE SPUDDED

4/15/84

16. DATE T.D. REACHED

5/1/84

17. DATE COMPL. (Ready to prod.)

5/22/84

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

6571' KB

19. ELEV. CASINGHEAD

6555'

20. TOTAL DEPTH, MD & TVD

5680' MD-5337' TVD

21. PLUG, BACK T.D., MD & TVD

5642' MD-5202' TVD

22. IF MULTIPLE COMPL.,
HOW MANY*

N/A

23. INTERVALS
DRILLED BY

→

ROTARY TOOLS

X

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

4th Dakota 5526-5543' MD
5186-5203' TVD25. WAS DIRECTIONAL
SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIL GR, CIL, SNL GR, Caliper

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36#	346'	12-1/4"	100 sxs 50/50 poz, 60 sxs	CL "G" (none)
7"	20#	2004'	8-3/4"	75 sxs 50/50 poz, 25 sxs	CL "G" (none)
4-1/2"	10.5#	5669'	6-1/4"	125 sxs CL "G"	(none)

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	5430'	N/A

31. PERFORATION RECORD (Interval, size and number)

5526-5543', .36" dia, 18 holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5526-5543'	2500 gals 10% HCL
	42,000 gals gel
	82,000# 20/40 sd

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
SI, WOPL						SI, WOPL	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
5/22/84	8	26/64"	→	0	220	0	N/A
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
150#	260#	→	0	660 MCFD	0	N/A	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Vented

TEST WITNESSED BY

Randy Walck

35. LIST OF ATTACHMENTS

Directional Survey & Well History

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Mand C Ripasly

TITLE Petroleum Engineer

DATE 6/6/84

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORDED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
4th Dakota	5526' MD	5543' MD	gas	Dakota Silt Dakota Morrison	5328' 5431' 5615'	4996' 5095' 5294'

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well gas ☒ well other ☐
2. NAME OF OPERATOR
TXO Production Corp.
3. ADDRESS OF OPERATOR
1800 Lincoln Cntr. Bldg., Denver, Co. 80264
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 5' FNL & 1156' FWL, Sec. 17
AT TOP PROD. INTERVAL: 1595' FNL & 1381' FWL, 17
AT TOTAL DEPTH: 1629' FNL & 1359' FWL, Sec. 17
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

- TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) well history

SUBSEQUENT REPORT OF:

- ☐
☐
☐
☐
☐
☐
☐
☐

5. LEASE
U-05015
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
BMG Federal
9. WELL NO.
#4
10. FIELD OR WILDCAT NAME
San Arroyo
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 17, T16S-R26E
12. COUNTY OR PARISH Grand 13. STATE Utah
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
6571' KB

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Please find attached the well history on the above referenced well.

RECEIVED

JUN 8 1984

DIVISION OF OIL
GAS & MINING

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Mark E. Rynock TITLE Petroleum Engineer DATE 6/6/84

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

CUSTOMER : T.X.O. PRODUCTION CORP.

WELL # : BMC FEDERAL NO. 4

LOCATION : GRAND COUNTY., UTAH

DATE : APRIL 15, 1984

JOB TYPE : DIRECT'L. CONTROL

JOB # : D-2169

SURVEYOR : RALPH NICKEL

DEPTHS : 0

DECL. : 0

ELEV. : 0

FILE # : "RN-D1"

RADIUS OF CURVATURE METHOD

PLANE OF PROPOSAL: S 12.96 E

PRINT FORMAT='DECIMAL DEGREES'

BMC #4

* THIS SURVEY IS CORRECT TO THE *
* BEST OF MY KNOWLEDGE AND IS *
* SUPPORTED BY ACTUAL FIELD DATA.*
*
*
* COMPANY REPRESENTATIVE *

FINAL STATION DATA:

MEASURED DEPTH FEET	INCLINATION ANGLE DEG.	HOLE DIRECTION DEG.	COURSE LENGTH FEET	TRUE VERTICAL DEPTH FEET	SUBSEA DEPTH FEET	VERTICAL SECTION FEET	RECTANGULAR COORDINATES N/S	DOGLEG SEVERITY DG/100F
5672.00	10.75	S 29.00 W	123.00	5329.84	5329.84	1627.60	1623.00 S 204.37 E	1.31

CLOSURE DIRECTION DISTANCE
S 07.19 E 1635.90

MEASURED DEPTH FEET	INCLINATION ANGLE DEG.	HOLE DIRECTION DEG.	COURSE LENGTH FEET	TRUE VERTICAL DEPTH FEET	SUBSEA DEPTH FEET	VERTICAL SECTION FEET	R E C T A N G U L A R C O O R D I N A T E S N/S E/W		DOGLEG SEVERITY DG/100F
312.00	.75	N 42.00 E	312.00	312.00	312.00	0.00	0.00 N	0.00 E	0.00
465.00	.50	N 42.00 E	153.00	464.99	464.99	-.96	1.24 N	1.12 E	.16
527.00	.50	S 64.00 E	62.00	526.99	526.99	-.94	1.34 N	1.61 E	.97
558.00	1.25	S 32.00 E	31.00	557.98	557.98	-.56	1.02 N	1.96 E	2.80
590.00	2.55	S 32.00 E	32.00	589.97	589.97	.43	.14 N	2.51 E	3.91
621.00	3.50	S 24.00 E	31.00	620.92	620.92	2.00	1.30 S	3.27 E	3.49
652.00	4.25	S 28.00 E	31.00	651.85	651.85	4.04	3.18 S	4.19 E	2.57
683.00	5.50	S 30.00 E	31.00	682.74	682.74	6.57	5.48 S	5.47 E	(.37
714.00	6.00	S 24.00 E	31.00	713.58	713.58	9.58	8.25 S	6.88 E	2.52
745.00	6.50	S 16.00 E	31.00	744.40	744.40	12.93	11.42 S	8.93 E	3.24
807.00	8.75	S 13.00 E	64.00	807.83	807.83	21.42	19.64 S	10.16 E	3.57
879.00	10.00	S 15.00 E	61.00	868.01	868.01	31.35	29.29 S	12.58 E	2.12
933.00	11.00	S 16.00 E	63.00	929.96	929.96	42.82	40.34 S	15.63 E	1.61
1026.00	12.50	S 18.00 E	93.00	1021.01	1021.01	61.71	58.45 S	21.17 E	1.67
1120.00	14.50	S 19.00 E	94.00	1112.40	1112.40	83.55	79.26 S	28.13 E	2.14
1212.00	16.00	S 24.00 E	92.00	1201.16	1201.16	107.47	101.77 S	37.00 E	2.17
1276.00	16.75	S 25.00 E	64.00	1262.57	1262.57	125.15	118.19 S	44.48 E	1.25
1337.00	17.25	S 27.00 E	61.00	1320.90	1320.90	142.53	134.22 S	52.30 E	1.26
1400.00	18.25	S 27.00 E	63.00	1380.90	1380.90	161.16	151.33 S	61.62 E	1.59
1461.00	19.00	S 28.00 E	61.00	1438.71	1438.71	180.02	168.61 S	70.81 E	1.34
1521.00	19.75	S 29.00 E	60.00	1495.31	1495.31	199.19	186.10 S	79.51 E	(.37
1614.00	21.00	S 33.00 E	93.00	1582.49	1582.49	229.97	213.85 S	96.18 E	2.01
1710.00	21.00	S 24.00 E	126.00	1700.12	1700.12	273.43	253.49 S	117.70 E	2.56
1802.00	21.75	S 23.00 E	62.00	1757.85	1757.85	295.64	274.21 S	126.71 E	1.34
1864.00	22.00	S 24.00 E	62.00	1815.39	1815.39	318.35	295.39 S	135.92 E	.72
1926.00	22.50	S 24.00 E	62.00	1872.77	1872.77	341.39	316.84 S	145.47 E	.81
1989.00	22.75	S 23.00 E	63.00	1930.92	1930.92	365.22	339.07 S	155.13 E	.73
2055.00	23.75	S 19.00 E	66.00	1991.56	1991.56	391.02	363.39 S	164.46 E	2.83
2122.00	24.25	S 19.00 E	67.00	2052.77	2052.77	418.12	339.16 S	173.33 E	.75
2184.00	25.75	S 20.00 E	61.00	2108.05	2108.05	443.73	413.46 S	181.94 E	2.55

MEASURED	INCLINATION	POLE	COURSE	TRUE					
DEPTH	ANGLE	DIRECTION	LENGTH	DEPTH	SUBSEA	VERTICAL	RECTANGULAR		DOSLEG
FEET	DEG.	DEG.	FEET	FEET	DEPTH	SECTION	C O U N T D I M E N S I O N S		SEVERITY
					FEET	FEET	N/S	E/W	DS/100F
2215.00	26.25	S 20.00 E	62.00	2163.78	2163.78	470.71	439.00 S	191.24 E	.81
2300.00	27.25	S 21.00 E	63.00	2220.04	2220.04	498.82	465.56 S	201.17 E	1.74
2340.00	27.00	S 23.00 E	32.00	2248.52	2248.52	513.23	477.09 S	206.64 E	2.95
2371.00	25.75	S 21.00 E	31.00	2276.29	2276.29	526.83	491.86 S	211.90 E	4.95
2461.00	25.25	S 21.00 E	30.00	2303.37	2303.37	539.62	503.92 S	216.43 E	1.67
2432.00	25.25	S 22.00 E	31.00	2331.40	2331.40	552.70	516.22 S	221.20 E	1.38
2467.00	25.50	S 22.00 E	31.00	2359.41	2359.41	565.82	528.54 S	226.26 E	(.31
2494.50	26.00	S 23.00 E	31.00	2387.34	2387.34	579.10	540.98 S	231.41 E	2.14
2527.00	26.75	S 25.00 E	63.00	2443.78	2443.78	606.57	566.53 S	242.79 E	1.85
2619.00	28.00	S 27.00 E	62.00	2498.83	2498.83	634.34	592.17 S	255.29 E	2.50
2649.00	28.25	S 27.00 E	30.00	2525.29	2525.29	648.66	604.77 S	261.71 E	.93
2765.00	29.25	S 26.00 E	59.00	2577.02	2577.02	675.65	630.17 S	274.37 E	1.88
2779.00	29.75	S 27.00 E	62.00	2630.98	2630.98	705.33	657.49 S	287.09 E	1.13
2830.00	29.75	S 27.00 E	60.00	2683.07	2683.07	734.22	694.92 S	301.51 E	0.00
2893.00	29.00	S 26.00 E	63.00	2737.97	2737.97	764.26	711.68 S	315.30 E	1.42
2985.00	28.00	S 26.00 E	52.00	2818.82	2818.82	807.03	751.14 S	334.54 E	1.09
3105.00	25.75	S 25.00 E	120.00	2925.85	2925.85	859.98	806.10 S	357.87 E	1.91
3158.00	24.00	S 25.00 E	63.00	2983.01	2983.01	885.90	824.12 S	360.99 E	2.73
3240.00	22.75	S 26.00 E	72.00	3049.10	3049.10	913.79	849.90 S	391.39 E	1.82
3392.00	21.50	S 27.00 E	62.00	3106.53	3106.53	936.49	870.80 S	390.81 E	2.11
3364.00	20.00	S 27.00 E	62.00	3164.51	3164.51	957.80	890.37 S	401.78 E	1.42
3396.00	18.75	S 28.00 E	32.00	3194.69	3194.69	968.38	897.79 S	406.68 E	4.04
3473.00	20.00	S 20.00 E	77.00	3267.33	3267.33	993.13	923.11 S	417.06 E	3.81
3504.00	20.00	S 15.00 E	31.00	3296.46	3296.46	1003.70	933.22 S	420.25 E	5.51
3610.00	22.00	S 06.00 E	106.00	3395.42	3395.42	1041.60	970.53 S	427.17 E	3.58
3703.00	19.75	S 11.00 E	93.00	3482.31	3482.31	1074.60	1003.30 S	432.07 E	3.08
3753.00	19.75	S 03.00 E	50.00	3529.36	3529.36	1091.50	1020.10 S	434.13 E	5.40
3784.00	20.50	S 01.00 W	31.00	3558.47	3558.47	1101.90	1030.80 S	434.32 E	5.05
3870.00	23.00	S 15.00 W	106.00	3656.92	3656.92	1138.50	1069.60 S	428.27 E	5.42
3953.00	23.25	S 17.00 W	63.00	3714.86	3714.86	1160.20	1093.40 S	422.05 E	1.31

MEASURED DEPTH FEET	INCLINATION ANGLE DEG.	HOLE DIRECTION DEG.	COURSE LENGTH FEET	TRUE VERTICAL DEPTH FEET	SUBSEA DEPTH FEET	VERTICAL SECTION FEET	R E C T A N G U L A R C O O R D I N A T E S		DOGLEG SEVERITY DG/100F
							N/S	E/W	
4044.00	24.00	S 18.00 W	91.00	3798.23	3798.23	1191.70	1128.20 S	411.08 E	.93
4138.00	24.75	S 18.00 W	94.00	3883.85	3883.85	1224.90	1165.10 S	399.09 E	.80
4231.00	26.00	S 19.00 W	93.00	3967.87	3967.87	1258.90	1202.90 S	385.44 E	1.42
4323.00	26.75	S 19.00 W	92.00	4050.30	4050.30	1293.60	1241.50 S	373.13 E	.82
4422.00	25.75	S 19.00 W	59.00	4103.21	4103.21	1315.70	1266.20 S	364.63 E	1.69
4473.00	20.50	S 16.00 W	91.00	4186.87	4186.87	1346.50	1300.30 S	353.99 E	5.91
4514.00	20.00	S 18.00 W	41.00	4225.34	4225.34	1358.90	1313.90 S	349.74 E	7.28
4576.00	20.25	S 20.00 W	61.00	4282.61	4282.61	1376.60	1333.70 S	342.91 E	1.20
4675.00	20.50	S 21.00 W	60.00	4338.86	4338.86	1394.10	1353.30 S	335.59 E	.21
4693.00	21.25	S 19.00 W	58.00	4393.05	4393.05	1411.40	1372.70 S	328.52 E	1.75
4724.00	20.50	S 19.00 W	31.00	4422.02	4422.02	1420.70	1383.10 S	324.92 E	2.42
4705.00	19.75	S 20.00 W	61.00	4479.29	4479.29	1438.50	1402.90 S	317.91 E	1.35
4678.00	18.25	S 23.00 W	93.00	4567.22	4567.22	1463.50	1431.10 S	305.81 E	1.92
5064.00	19.00	S 26.00 W	186.00	4743.48	4743.48	1510.60	1485.10 S	282.18 E	.65
5157.00	18.00	S 26.00 W	93.00	4831.67	4831.67	1533.50	1511.60 S	269.24 E	1.03
5250.00	17.50	S 31.00 W	93.00	4920.24	4920.24	1554.70	1536.50 S	255.72 E	1.72
5334.00	16.00	S 30.00 W	84.00	5000.68	5000.68	1572.30	1557.40 S	243.43 E	1.62
5427.00	14.00	S 30.00 W	93.00	5090.50	5090.50	1589.90	1578.20 S	231.40 E	2.15
5549.00	12.25	S 32.00 W	122.00	5209.31	5209.31	1609.80	1601.90 S	217.13 E	1.40
5672.00	10.75	S 29.00 W	123.00	5329.84	5329.84	1627.60	1623.00 S	204.69 E	1.31

T. X. O. PRODUCTION CORP.

WELL #
BMG FEDERAL NO. 4

LOCATION
GRAND COUNTY., UTAH

DATE
APRIL 15, 1984

JOB TYPE
DIRECT'L. CONTROL

JOB #
D-2169

SURVEYOR
RALPH NICKEL

DEPTHS
0

DECL.
0

ELEV.
0

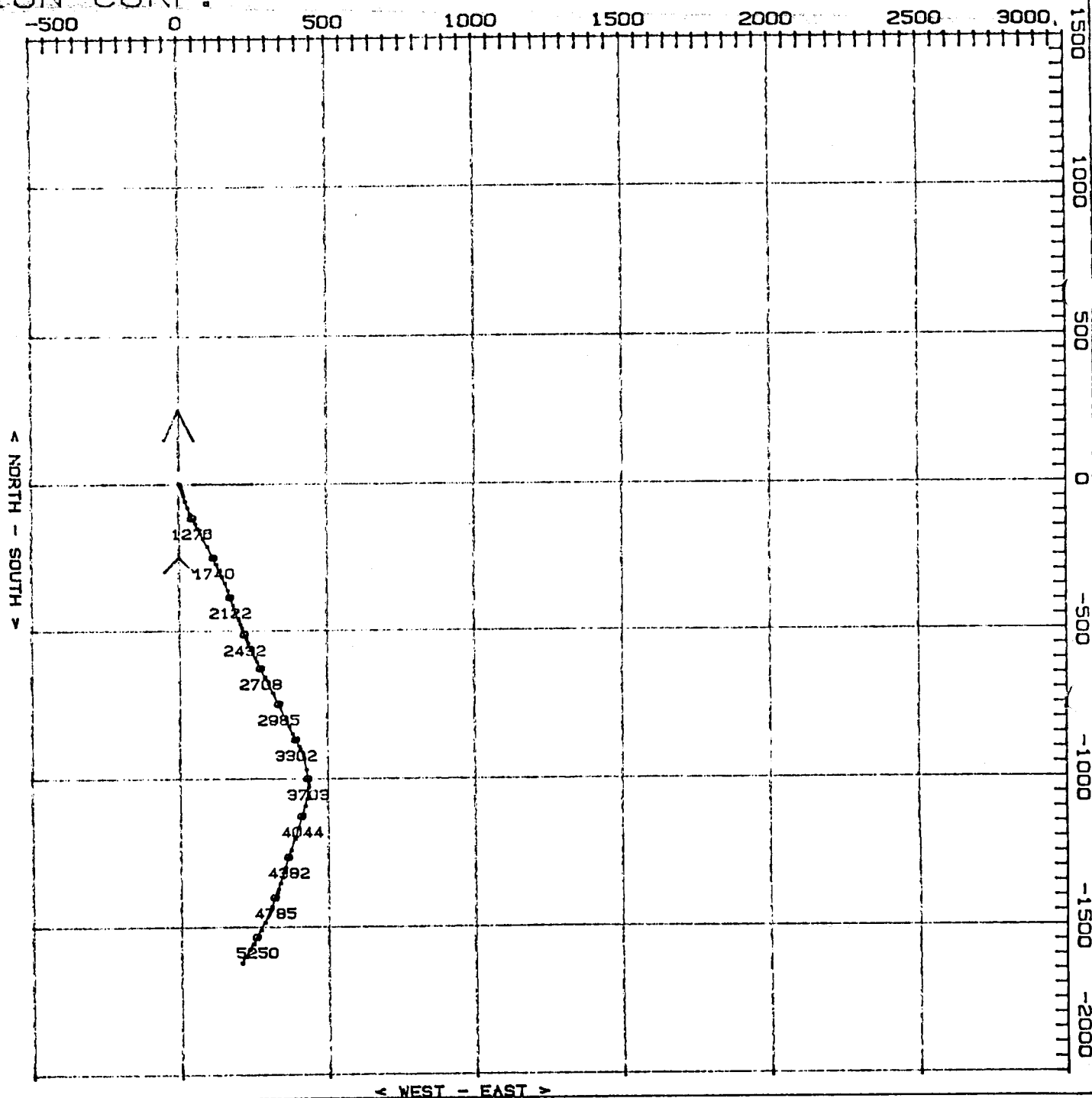
FILE #
"RM-D1"

FINAL STATION DATA:

MD. 5872
TVD. 5329.84
N/S -1623
E/W 204.69

CLOSURE DIRECTION
S 7.19 E
CLOSURE DISTANCE
1835.9

1 IN. = 500 FT.



WELL NAME: BMG Federal #4
 AREA: San Arroyo
 LOCATION: Section 17, T16S-R26E
 COUNTY: Grand
 STATE: Utah
 FOOTAGE: 5' FNL & 1156' FWL

PTD: 5350' TVD, 5655' MD
 ELEVATIONS: 6571' KB, 6555' GL
 CONTRACTOR: Veco #9
 AFE NUMBER: 841970
 LSE NUMBER: 73935
 TXO WI: 75%

04/27/84 4152' (429'), drlg. Mancos. Air dust & mist 210-400#. Drill ahead w/ Navi-drill to 3865'. TOO. LD Navi-drill. PU bit, 3 pt roller reamer, monel DC, IBS, 1 DC, IBS, 15 DC's, jars & 3 DC's. TIH & circ & dry up hole. Drill ahead. DW: 13,600. CW: 216,920. DD 12.

MD	DEV	COURSE DIRECTION	TVD	VERTICAL SECTION	HORIZONTAL COORDINATES			
					N	S	E	W
3753'	19-3/4°	S30°E	3529.00	1092.42	1021.21		433.53	
3784'	20-1/2°	S10°W	3558.11	1102.85	1031.87		433.72	
3815'	22°	S50°W	3587.00	1113.57	1043.07		433.13	
3890'	23°	S15°W	3656.30	1140.08	1071.36		428.14	
3953'	23-1/4°	S17°W	3714.23	1161.73	1095.14		421.32	
4044'	24°	S18°W	3797.61	1193.17	1129.92		410.35	
4138'	24-3/4°	S18°W	3883.23	1226.43	1166.82		398.36	

04/28/84 4517' (365'), drlg. Niobrara. Air dust 240#. Drill ahead to 4238'. TOO. LD stabilization. TIH & commence drlg. Drill ahead to 4488'. Deviation dropped too excessively. TOO. TIH w/ 6-1/4" bit, 3 pt roller reamer, monel DC, 3 pt roller reamer, 1 DC, IBS, 15 DC's, & DP. Drill ahead. Niobrara top @ 4430'. DW: 12,000. CW: 228,920. DD 13.

MD	DEV	COURSE DIRECTION	TVD	VERTICAL SECTION	HORIZONTAL COORDINATES			
					N	S	E	W
4231'	26°	S19°W	3967.26	1260.43	1204.61		385.72	
4323'	26-3/4°	S19°W	4049.68	1295.11	1243.25		372.41	
4382'	25-3/4°	S16°W	4102.59	1317.60	1268.14		364.57	
4473'	20-1/2°	S16°W	4186.28	1348.87	1302.50		354.71	

04/29/84 4934' (417'), drlg. Mancos. Air dust 250#. Drill ahead to 4686'. Assembly building angle. TOO. PU & TIH w/ 6-1/4" bit, 5-7/8" IBS, 8' DC, IBS, monel DC, IBS, 16 DC's, & DP. Drill ahead. DW: 8300. CW: 237,220. DD 14.

MD	DEV	COURSE DIRECTION	TVD	VERTICAL SECTION	HORIZONTAL COORDINATES			
					N	S	E	W
4514'	20°	S18°W	4224.75	1361.16	1316.07		350.57	
4575'	20-1/4°	S20°W	4282.02	1378.97	1335.91		343.73	
4635'	20-1/4°	S21°W	4338.27	1396.40	1355.48		336.41	
4693'	21-1/4°	S19°W	4392.46	1413.74	1374.90		329.35	
4724'	20-1/2°	S19°W	4421.43	1423.11	1385.34		325.75	
4785'	19-3/4°	S20°W	4478.71	1440.82	1405.12		318.74	
4878'	18-1/4°	S23°W	4566.64	1465.78	1433.30		307.65	

04/30/84 5275' (341'), TIH. Mancos. Drill ahead to 5275'. TOO. LD stabilization. DW: 7900. CW: 245,120. DD 15.

MD	DEV	COURSE DIRECTION	TVD	VERTICAL SECTION	HORIZONTAL COORDINATES			
					N	S	E	W
4972'	18-1/4°	S25°W	4655.91	1489.31	1460.19		295.67	
5064'	19°	S26°W	4743.09	1512.32	1486.71		283.02	
5157'	18°	S26°W	4831.29	1535.26	1513.23		270.08	
5250'	17-1/2°	S31°W	4919.86	1556.51	1538.15		256.56	



UTAH
NATURAL RESOURCE
Oil, Gas & Mining

355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut
84180-1203. • (801-538-5340)

Page 4 of 5

MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• TXO PRODUCTION CORP.
P. O. BOX 2690
CODY WY 82414
ATTN: R. P. MEABON

Utah Account No. N1580

Report Period (Month/Year) 12 / 90

Amended Report ☐

Well Name				Producing Zone	Days Oper	Production Volume		
API Number	Entity	Location				Oil (BBL)	Gas (MSCF)	Water (BBL)
BMG FEDERAL #4	U-05015-A			DKTA✓				
4301931130 06792 16S 26E 17								
BMG FEDERAL #5	U-05015			BUKHN✓				
4301931131 06793 16S 26E 7								
BMG FEDERAL #7	U-05015-A			DKTA✓				
4301931183 06794 16S 26E 17								
OIL SPRINGS UNIT 7	U-16956			WSTO✓		Need successor to Unit operator (TXO to Marathon)		
4304731248 06795 12S 24E 4								
TOC TXO POGO USA 15-9	U-49535			DKTA✓				
4301930779 09155 17S 24E 15								
EVACUATION CREEK STATE 23-2-1	ML-15566			DKTA✓				
4304715675 09605 12S 25E 2								
CROQUET FEDERAL #1	U-38404			UNTA✓				
4304731440 09635 06S 21E 35								
CROQUET FEDERAL #2	U-53862			UNTA✓				
4304731672 09636 06S 21E 35								
WELLS FEDERAL "A" #1	U-54178			MVRD✓				
4304731603 09841 11S 23E 12								
SHUFFLEBOARD FEDERAL #1	U-31255			UNTA✓				
4304731668 09842 06S 21E 27								
STIRRUP FEDERAL 28-1	U-34711			GR-WS✓				
4304731571 10182 06S 21E 28								
STIRRUP STATE #32-4	ML-22036			UNTA✓				
4304731648 10183 06S 21E 32								
CRACKER FEDERAL #3	U-54173			WSTCL✓				
4304731689 10581 11S 23E 5								
TOTAL								

Comments (attach separate sheet if necessary) * Evacuation Check - Terminated eff. 1-24-91.

I have reviewed this report and certify the information to be accurate and complete.

Date _____

Authorized signature _____

Telephone _____

PLEASE COMPLETE FORMS IN BLACK INK

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1- LCR	<i>[initials]</i>
2- DTS	<i>[initials]</i>
3- VLC	<i>[initials]</i>
4- RJF	<i>[initials]</i>
5- RWM	<i>[initials]</i>
6- LOR	<i>[initials]</i>

Attach all documentation received by the division regarding this change.

Initial each listed item when completed. Write N/A if item is not applicable.

☒ Change of Operator (well sold)

☐ Designation of Agent

☐ Designation of Operator

☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 1-1-91)

TO (new operator) MARATHON OIL COMPANY
(address) P. O. BOX 2690
CODY, WY 82414
phone (307) 587-4961
account no. N 3490

FROM (former operator) TXO PRODUCTION CORP.
(address) P. O. BOX 2690
CODY, WY 82414
phone (307) 587-4961
account no. N1580

Well(s) (attach additional page if needed):

MERGER

Name: <u>**SEE ATTACHED**</u>	API: _____	Entity: _____	Sec _____	Twsp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twsp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twsp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twsp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twsp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twsp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twsp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- N/A 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(see documentation)*
- See 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(see 1-24-91)*
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: ____.
- See 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(2-26-91)*
- See 6. Cardex file has been updated for each well listed above.
- See 7. Well file labels have been updated for each well listed above.
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission.
- See 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 5, Entity Action Form).
2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond. *(Federal & State wells only)*
2. A copy of this form has been placed in the new and former operators' bond files. *(upon completion of routing)*
3. The former operator has requested a release of liability from their bond (yes/no) yes. Today's date February 27, 1991. If yes, division response was made by letter dated March 1, 1991.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated _____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
2. Copies of documents have been sent to State Lands for changes involving State leases. *Sent 3-5-91*

INDEXING

1. All attachments to this form have been microfilmed. Date: March 11 1991.

INDEXING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

REMARKS

- 910204 Btm/marb No doc. as of yet. (In the process of changing) will call when approved.
Btm/S.L. Book Cliffs Unit, Oil Springs Unit, Marble Mansion Unit (Not approved as of yet)
- 910204 St. Lands - No documentation as of yet. (Copy hand delivered 2-8-91) for
- 910222 Btm/S.L. - Approved 2-20-91 - OK for DOGM to recognize eff. date 1-1-91. (T. Thompson)
- 910226 St. Lands - Needs additional info. "will take 2-3 weeks". (Proceed with change per DTS)

DOGm- FYI - From Connie Larson- TAX Commission

Tax C liance Division



**Marathon
Oil Company**

Findlay, Ohio 45840
Telephone 419/422-2121

January 23, 1991

N1580

TO WHOM IT MAY CONCERN:

Effective immediately after the close of business on December 31, 1990, TXO Production Corporation, taxpayer I.D. 75-1710388, a Delaware Corporation, was merged into Marathon Oil Company, taxpayer I.D. 25-1410539.

Following the merger, all business activity previously conducted by TXO Production Corporation will be conducted by and under the name of Marathon Oil Company.

Marathon Oil Company
Tax Organization

GRL:pah
GRL100T

REC'D USIC P.B.
FEB 14 1991

Send a copy to DOGM 2-21-91

A subsidiary of USX Corporation

Copy sent to Master
File Mail

RECEIVED
JAN 24 1991



**Marathon
Oil Company**

P.O. Box 2690
Cody, Wyoming 82414
Telephone 307/587-4960

DIVISION OF
OIL, GAS & MINING

*18
1-2
DRJ
-cc R Furth*

January 22, 1991

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

UTAH DIVISION OF OIL, GAS & MINING
3 Triad Center, Ste. 350
Salt Lake City, UT 84180-1203
Attention: State Director

Re: The Merger of TXO Production Corp. into
Marathon Oil Company

Gentlemen:

As Marathon Oil Company advised in its October 8, 1990 letter, TXO Production Corp., a Delaware corporation ("TXO") was being merged into Marathon Oil Company, an Ohio corporation ("Marathon"), on or before January 1, 1991. As stated in the October letter, before this merger, both TXO and Marathon were subsidiaries of USX Corporation.

Effective January 1, 1991, TXO was merged into Marathon, with Marathon becoming the surviving corporation, as evidenced by the enclosed Certificate of Merger signed by the Secretary of State for the State of Ohio. Due to this statutory merger, by operation of law, Marathon, as the surviving entity, has succeeded to all of the assets, property, rights, privileges, power and authority, and has assumed all obligations and liabilities of TXO which existed on the date of the merger.

Marathon requests that your records and filings be changed to reflect this merger, including making any appropriate change in your operator or ownership records. For the purposes of any change, mailing or notification, please substitute the following address and phone number for TXO:

Marathon Oil Company
Attention: Mr. R. P. Meabon
1501 Stampede Avenue
P. O. Box 2690
Cody, WY 82414
(307) 587-4961

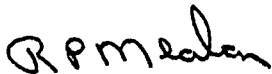
Utah Division of Oil, Gas & Mining
January 22, 1991
Page 2

Any bond in the name of TXO should be cancelled and all wells and properties shown on the attached Exhibit "A" should be placed on Marathon's statewide bond for the state of Utah.

Marathon respectfully requests that you acknowledge your receipt of this letter by signing the enclosed duplicate original of this letter in the space provided below, and returning it to me in the self-addressed, stamped envelope provided. Also, please provide Marathon with confirmation of the bond cancellations in accordance with the substitution requested above.

Marathon appreciates your patience and cooperation in this matter, and if Marathon can be of any further assistance, please feel free to contact this office.

Sincerely,



R. P. Meabon
Regulatory Coordinator
Rocky Mountain Region
Extension 3003

RPM:mh

Attachments

RECEIVED AND ACCEPTED THIS _____ DAY OF _____,
1991, BY:

[Governmental Agency or Department]

By _____
Name _____
Its _____
Title _____

UNITED STATES OF AMERICA,
STATE OF OHIO,
OFFICE OF THE SECRETARY OF STATE.

I, Sherrod Brown

do hereby certify that I am the duly elected, qualified and present acting Secretary of State for the State of Ohio, and as such have custody of the records of Ohio and Foreign corporations; that said records show an AGREEMENT OF MERGER of MARATHON PETROLEUM COMPANY, an Ohio corporation, Charter No. 7265, having its principal location in Findlay, County of Hancock, and incorporated on August 1, 1887, and TXO PRODUCTION CORP., a Delaware corporation, having qualified to do business within the State of Ohio on November 2, 1983, under License No. 623328, into MARATHON OIL COMPANY, an Ohio corporation, Charter No. 584981, the survivor of said Merger, filed in this office on December 24, 1990, recorded in the Records of Incorporation. Said surviving corporation, MARATHON OIL COMPANY, an Ohio corporation, Charter No. 584981, having its principal location in Findlay, County of Hancock, was incorporated on November 18, 1981 and is currently in GOOD STANDING upon the records of this office.

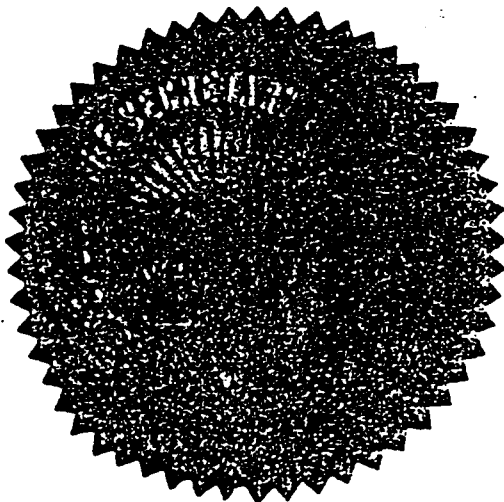
WITNESS my hand and official seal at

Columbus, Ohio, this

28th day of December, A.D. 19 90

Sherrod Brown

Sherrod Brown
Secretary of State



Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1-LEC	7-LEC
2-DTS	75
3-VLC	
4-RJF	
5-RWM	
6-ADA	

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 2-22-93)

TO (new operator)	<u>LONE MTN PRODUCTION CO</u>	FROM (former operator)	<u>MARATHON OIL COMPANY</u>
(address)	<u>PO BOX 3394</u>	(address)	<u>PO BOX 2690</u>
	<u>BILLINGS MT 59103-3394</u>		<u>CODY WY 82414</u>
	<u>phone (406) 245-5077</u>		<u>phone (307) 587-4961</u>
	<u>account no. N 7210</u>		<u>account no. N 3490</u>

Well(s) (attach additional page if needed):

Name: **SEE ATTACHED**	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- Sec 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 2-25-93)*
- Sec 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Rec'd 2-25-93)*
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: _____.
- Sec 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- Sec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(3-16-93)*
- Sec 6. Cardex file has been updated for each well listed above. *(3-16-93)*
- Sec 7. Well file labels have been updated for each well listed above. *(3-16-93)*
- Sec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(3-16-93)*
- Sec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no) no. Today's date 3/17/93 1993. If yes, division response was made by letter dated 3/17/93 1993.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 3/17/93 1993, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
2. Copies of documents have been sent to State Lands for changes involving State leases.
3/17/93 to St. Leases

MICROFILMING

1. All attachments to this form have been microfilmed. Date: March 25 1993.

FILED

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

REMARKS

930316 BLM/Moab Approved 3-10-93 eff. 2-22-93.

(other wells will be handled on a separate change - partial change only!)

St. Lease wells also being chg'd at this time.

LONE MOUNTAIN PRODUCTION COMPANY

P.O. BOX 3394
408 PETROLEUM BUILDING
BILLINGS, MONTANA 59103-3394
(406) 245-5077
FAX 248-6321

February 22, 1993

State of Utah
Dept. of Natural Resources
Division of Oil, Gas, & Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180

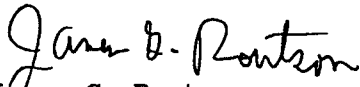
Re: Change of Operator
Sundry Notices
Grand and Uintah Counties, Utah

Gentlemen:

Enclosed in triplicate are Sundry Notices for 53 wells located on Federal lands in Utah for which Lone Mountain Production Company is assuming operations effective February 22, 1993. Two separate lists of the wells and lease numbers, by sorted by BLM district, are attached. The wells were all previously operated by Marathon Oil Company. If any further information is needed please advise either me or Joe Dyk in our Grand Junction office.

Very truly yours,

Lone Mountain Production Company


James G. Routson
President

Enclosures

xc: Joe Dyk
Marathon

RECEIVED

FEB 25 1993

DIVISION OF
OIL GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

RECEIVED

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
Lone Mountain Production Company

3. Address and Telephone No.
P.O. Box 3394, Billings, MT 59103

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
5' FNL, 1156' FWL, Sec. 17-T16S-R26E
(NW $\frac{1}{4}$ NW $\frac{1}{4}$)

5. Lease Designation and Serial No.
U-05015-A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
BMG Fed. No. 4

9. API Well No.
43-019-31130

10. Field and Pool, or Exploratory Area
San Arroyo

11. County or Parish, State
Grand County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Change of Operator

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Lone Mountain Production Company has assumed operations of the above referenced well effective February 22, 1993. The former operator was Marathon Oil Company.

Bond Coverage is provided by Lone Mountain's Statewide Oil & Gas BLM Bond No. UT0719.

Field Operations will be handled by our Grand Junction office.

14. I hereby certify that the foregoing is true and correct

Signed James S. Rantner

Title Petroleum Engineer

Date Feb. 22, 1993

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS <small>(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)</small>		3. LEASE DESIGNATION & SERIAL NO. See Below
1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Marathon Oil Company		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P.O. Box 2690, Cody, Wyoming 82414		8. FARM OR LEASE NAME See Below
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface See Below At proposed prod. zone		9. WELL NO. See Below
14. API NO. See Below		10. FIELD AND POOL, OR WILDCAT See Below
15. ELEVATIONS (Show whether DF, RT, GR, etc.)		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA See Below
12. COUNTY Grand and Uintah		13. STATE Utah

RECEIVED

FEB 25 1993

DIVISION OF
OIL GAS & MINING

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

APPROX. DATE WORK WILL START _____

DATE OF COMPLETION _____

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* Must be accompanied by a cement verification report.

On 2/22/93 with an effective date of October 1, 1992, Marathon Oil Company sold all of its rights, title and interests shown on Exhibit 'A' and 'B' to:

Lone Mountain Production Company
P.O. Box 3394, 408 Production Building
Billings, Montana 59103-3394

By copy of this sundry notice to Lone Mountain Production Company, Marathon is advising that Lone Mountain Production Company is responsible for operating these leases and wells within the federal and state rules and regulations.

Utah O&G--cc: WRF,RDS,CLB,RPM,KJI,TITLE AND CONTR(HOU),ACCTG.,CFR,LONE MTN. PROD.

18. I hereby certify that the foregoing is true and correct

SIGNED R.P. Meabon

TITLE Regulatory Coordinator

DATE 2/23/93

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

List of Properties sold by Marathon Oil Company to Lone Mountain Production Company, P.O. Box 3394, 408 Petroleum Building, Billings, Montana 59103-3394

WELL	LOCATION	LEASE	API #
North Horse Point Field			
Little Berry State #1	SW/4 SW/4, Sec. 2-16S-23E	ML-21061	043-019-31075
BAR X West Field			
Hancock Federal #2	NW/4 SW/4, Sec. 5-17S-25E	U-38720	043-019-30833
Bryson Canyon Field			
Hougen Federal A#1- St #1	SW/4 SW/4 Sec. 14-17S-24E	U-42480	043-019-30799
TXO Pogo USA #19-9	NE/4 SE/4, Sec. 15-17S-24E	U-49535	043-019-30779
East Canyon Field			
Callister Federal #1	NW/4 SE/4 Sec. 24-16S-24E	U-38363	043-019-30857
Ptasynski Federal #1	NE/4 NW/4 Sec. 15-17S-23E	U-24603-A	043-019-30780
Horseshoe Bend Field			
Bridle Federal #1	SW/4 SW/4 Sec. 34-6S-22E	U-47866	043-047-31533
Bridle Federal #2	NE/4 SE/4 Sec. 34-6S-22E	U-47866	043-047-31655
Bridle Federal #3	SE/4 NE/4 Sec. 34-6S-22E	U-47866	043-047-31678
Bridle Federal #4	SE/4 NE/4 Sec. 34-6S-22E	U-47866	043-047-31866
Croquet Federal #1	SE/4 NE/4 Sec. 35-6S-21E	U-53862	043-047-31440
Croquet Federal #2	NE/4 SE/4 Sec. 35-6S-21E	U-53862	043-047-31672
Croquet Federal #3	NE/4 NW/4 Sec. 35-6S-21E	U-53862	043-047-31867
Football Fed #29-4	SE/4 SW/4 Sec. 29-6S-21E	U-46699	043-047-31883
Shuffleboard Fed #1	NE/4 NE/4 Sec. 27-6S-21E	U-31255	043-047-31668
Stirrup Fed. #28-1	NW/4 SW/4 Sec. 28-6S-21E	U-34711	043-047-31571
Stirrup Fed. #29-2	NW/4 SE/4 Sec. 29-6S-21E	U-46699	043-047-31508
Stirrup Fed. #29-3	SE/4 SE/4 Sec. 29-6S-21E	U-46699	043-047-31634
Stirrup State #32-1	NW/4 NE/4 Sec. 32-6S-21E	ML-22036	043-047-31557
Stirrup State #32-2	SE/4 NE/4 Sec. 32-6S-21E	ML-22036	043-047-31626
Stirrup State #32-4	NW/4 NE/4 Sec. 32-6S-21E	ML-22036	043-047-31648
Rockhouse Field			
Cracker Fed. #1	SE/4 NE/4 Sec. 8-11S-23E	U-54197	043-047-31532
Cracker Fed. #2	SE/4 SE/4 Sec. 8-11S-23E	U-54197	043-047-31690
Cracker Fed. #3	SW/4 SE/4 Sec. 5-11S-23E	U-54193	043-047-31689
Cracker Fed. #4	SE/4 NE/4 Sec. 7-11S-23E	U-54196	043-047-31748
Marble Mansion #1	SE/4 SE/4 Sec. 18-11S-23E	U-54201	043-047-31865
Wells Fed. A #1	SW/4 SE/4 Sec. 12-11S-23E	U-54198	043-047-31603

San Arroyo Field

Arco Fed. B #1	SE/4 SE/4 Sec. 6-16S-25E	U-9831	043-019-30552
Arco Fed. C #1	NW/4 NW/4 Sec. 35-16S-25E	U-06188-B	043-019-30572
Arco Fed. D #1	NE/4 SE/4 Sec. 34-16S-25E	U-29645	043-019-30578
Arco Fed. H #1	NW/4 SW/4 Sec. 12-16S-25E	U-0126528	043-019-31002
Bennion Fed. #1	NE/4 NW/4 Sec. 30-16S-25E	U-24632	043-019-30893
BMG Fed. #1	NE/4 NW/4 Sec. 8-16S-26E	U-05015	043-019-31017
BMG Fed. #2	SW/4 SW/4 Sec. 8-16S-26E	U-05015	043-019-31108
BMG Fed. #3	SW/4 SW/4 Sec. 8-16S-26E	U-05015-A	043-019-31114
BMG Fed. #4	NW/4 NW/4 Sec. 17-16S-26E	U-05015-A	043-019-31130
BMG Fed. #5	NW/4 SW/4 Sec. 8-16S-26E	U-05015-A	043-019-31131
BMG Fed. #7	NW/4 SE/4 Sec. 17-16S-26E	U-05015-A	043-019-31183
Bookcliffs #1	SE/4 SE/4 Sec. 32-18S-22E	U-036905	043-019-15410
Bookcliffs #3	SW/4 NE/4 Sec. 33-18S-22E	U-036905	043-019-15411
Credo Fed. #1	NE/4 SE/4 Sec. 5-16S-26E	U-24638	043-019-30797
Credo Fed. A #1	SE/4 NW/4 Sec. 5-16S-26E	U-24638	043-019-30798
Grynberg Fed. #1	NE/4 SW/4 Sec. 28-16S-25E	U-13653	043-019-30657
Harvey Fed. #1-X	SW/4 SE/4 Sec. 5-16S-25E	U-10427	043-019-30574
Lauck Fed. A #1	SE/4 SE/4 Sec. 29-16S-25E	U-34033	043-019-30990
Lauck Fed. #2	NW/4 SW/4 Sec. 29-16S-25E	U-34033	043-019-31109
Moxa Fed. #1	SW/4 SW/4 Sec. 9-16S-26E	U-24638	043-019-30698
Moxa Fed. A #1	NE/4 SE/4 Sec. 4-16S-26E	U-24638	043-019-30792
Nicor Fed. #1	NW/4 NE/4 Sec. 28-16S-25E	U-31807	043-019-30656
Nicor Fed. #2	NW/4 NE/4 Sec. 33-16S-25E	U-13653	043-019-31020
Texas Pac St #1	NW/4 SE/4 Sec. 36-16S-25E	ML-4468-A	043-019-30634
Texas Pac St #2	SW/4 SW/4 Sec. 36-16S-25E	ML-4468-A	043-019-30670
Valentine Fed. #1	SE/4 SW/4 Sec. 35-16S-25E	U-38276	043-019-30639
Valentine Fed. #2	SE/4 NW/4 Sec. 34-16S-25E	U-38276	043-019-30640
Valentine Fed. #3	SE/4 SW/4 Sec. 35-16S-25E	U-38276	043-019-31009
Wall Fed. #1	NE/4 SW/4 Sec. 30-16S-25E	U-24632	043-019-30838

Oil Springs Field

Oil Springs #5	NE/4 SW/4 Sec. 5-12S-24E	U-08424-A	043-047-15930
Oil Springs #7	SE/4 SW/4 Sec. 4-12S-24E	U-08424-A	043-047-31248
Oil Springs #10	NE/4 NE/4 Sec. 5-12S-24E	U-08424-A	043-047-31656

Evacuation Creek Field

Evacuation Creek State A #1	NE/4 NE/4 Sec. 2-12S-25E	ML-28043	043-047-31674
Evacuation Cr. #23-2-1	NE/4 SW/4 Sec. 2-12S-25E	ML-28043	043-047-15675
Evacuation Creek State #1	SE/4 SW/4 Sec. 36-11S-25E	ML-39868	043-047-31307

UTAH FEDERAL WELLS

MOAB BLM DISTRICT

<u>WELL</u>	<u>LEASE NO.</u>	<u>LOCATION</u>
Bookcliffs Unit No. 1	U-036905	SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 32-T18S-R22E
Bookcliffs Unit No. 3	U-036905	Sw $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 33-T18S-R22E
Hancock Fed. No. 2	U-38720	NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 5-T17S-R25E
Hougen Fed. No. A-1	U-42480	SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 14-T17S-R24E
TXO-POGO-USA No. 15-9	U-49535	NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 15-T17S-R24E
Callister Fed. No. 1	U-38363	NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 24-T16S-R24E
Ptasynski Fed. No. 1	U-24603-A	NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 15-T17S-R23E
Arco Fed. B No. 1	U-9831	SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 6-T16S-R25E
Arco Fed. C No. 1	U-06188-B	NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 35-T16S-R25E
Arco Fed. D No. 1	U-29645	NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 34-T16S-R25E
Arco Fed. H No. 1	U-0126528	NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 12-T16S-R25E
Grynberg Fed. No. 1	U-13653	NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 28-T16S-R25E
Lauck Fed. A No. 1	U-34033	SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 29-T16S-R25E
Lauck Fed. No. 2	U-34033	NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 29-T16S-R25E
Nicor Fed. No. 1	U-31807	NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 28-T16S-R25E
Nicor Fed. No. 2	U-13653	NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. ²⁸ 33 -T16S-R25E
Valentine Fed. No. 1	U-38276	SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 35-T16S-R25E
Valentine Fed. No. 2	U-38276	SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 34-T16S-R25E
Valentine Fed. No. 3	U-38276	SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 35-T16S-R25E
Wall Fed. No. 1	U-24632	NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 30-T16S-R25E
Bennion Fed. No. 1	U-24632	NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 30-T16S-R25E
Harvey Fed. No. 1-X	U-10427	Sw $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 5-T16S-R25E

UTAH FEDERAL WELLSMOAB BLM DISTRICT

<u>WELL</u>	<u>LEASE NO.</u>	<u>LOCATION</u>
BMG Fed. No. 1	U-05015	NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 8-T16S-R26E
BMG Fed. No. 2	U-05015	SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 8-T16S-R26E
BMG Fed. No. 3	U-05015-A	SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 18-T16S-R26E
BMG Fed. No. 4	U-05015-A	NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 17-T16S-R26E
BMG Fed. No. 5	U-05015-A	NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 18-T16S-R26E
BMG Fed. No. 7	U-05015-A	NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 17-T16S-R26E
Credo Fed. No. 1	U-24638	NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 5-T16S-R26E
Credo Fed. A No. 1	U-24638	SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 5-T16S-R26E
Moxa Fed. No. 1	U-24638	SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 9-T16S-R26E
Moxa Fed. A No. 1	U-24638	NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 4-T16S-R26E

UTAH FEDERAL WELLS

VERNAL BLM DISTRICT

RECEIVED

FEB 25 1993

DIVISION OF
OIL GAS & MINING

<u>WELL</u>	<u>LEASE NO.</u>	<u>LOCATION</u>
Shuffleboard Fed. No. 1	U-31255	NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 27-T6S-R21E
Stirrup Fed. No. 28-1	U-34711	NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 28-T6S-R21E
Stirrup Fed. No. 29-2	U-46699	NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 29-T6S-R21E
Stirrup Fed. No. 29-3	U-46699	SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 29-T6S-R21E
Football Fed. No. 29-4	U-46699	SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 29-T6S-R21E
Croquet Fed. No. 1	U-53862	SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 35-T6S-R21E
Croquet Fed. No. 2	U-53862	NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 35-T6S-R21E
Croquet Fed. No. 3	U-53862	NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 35-T6S-R21E
Bridle Fed. No. 1	U-47866	SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 34-T6S-R22E
Bridle Fed. No. 2	U-47866	NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 34-T6S-R22E
Bridle Fed. No. 3	U-47866	SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 34-T6S-R22E
Bridle Fed. No. 4	U-47866	SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 34-T6S-R22E
Cracker Fed. No. 1	U-54197	SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 8-T11S-R23E
Cracker Fed. No. 2	U-54197	SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 8-T11S-R23E
Cracker Fed. No. 3	U-54193	SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 5-T11S-R23E
Cracker Fed. No. 4	U-54196	SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 7-T11S-R23E
Marble Mansion Unit #1	U-54201	SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 18-T11S-R23E
Wells Fed. A No. 1	U-54198	SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 12-T11S-R23E
Oil Springs Unit #5	U-08424-A	NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 5-T12S-R24E
Oil Springs Unit #7	U-08424-A	SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 4-T12S-R24E
Oil Springs Unit #10	U-08424-A	NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 5-T12S-R24E

UTAH STATE WELLS

<u>WELL</u>	<u>LEASE NO.</u>	<u>LOCATION</u>
Texas Pacific No. 1	ML-4468-A	NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 36-T16S-R25E Grand County
Texas Pacific No. 2	ML-4468-A	SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36-T16S-R25E Grand County
Little Berry No. 1	ML-21061	SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 2-T16S-R23E Grand County
Evacuation Creek No. 1	ML-39868	SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36-T11S-R25E Uintah County
Evacuation Creek A No. 1	ML-28043	NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 2-T12S-R25E Uintah County
Evacuation Creek 23-2-1	ML-28043	NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 2-T12S-R25E Uintah County
Stirrup No. 32-1	ML-22036	NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 32-T6S-R21E Uintah County
Stirrup No. 32-2	ML-22036	SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 32-T6S-R21E Uintah County
Stirrup No. 32-4	ML-22036	NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 32-T6S-R21E Uintah County

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

U-05015-A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

BMG Fed. No. 4

9. API Well No.

43-019-31130

10. Field and Pool, or Exploratory Area

San Arroyo

11. County or Parish, State

Grand County, Utah

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Lone Mountain Production Company

3. Address and Telephone No.

P.O. Box 3394, Billings, MT 59103

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

5' FNL, 1156' FWL, Sec. 17-T16S-R26E
(NW $\frac{1}{4}$ NW $\frac{1}{4}$)

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Change of Operator
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Lone Mountain Production Company has assumed operations of the above referenced well effective February 22, 1993. The former operator was Marathon Oil Company.

Bond Coverage is provided by Lone Mountain's Statewide Oil & Gas BLM Bond No. UT0719.

Field Operations will be handled by our Grand Junction office.

RECEIVED

MAR 15 1993

**DIVISION OF
OIL GAS & MINING**

14. I hereby certify that the foregoing is true and correct

Signed James S. Rantner

Title Petroleum Engineer

Date Feb. 22, 1993

(This space for Federal or State office use)

ACTING

Approved by /s/ Brent Northrup

Title Regional Manager

Date _____

Conditions of approval, if any:

COPIES OF APPROVAL

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

***See Instruction on Reverse Side**

Lone Mountain Production Company
Well No. BMG Fed. 4
NWNW Sec. 17, T. 16 S., R. 26 E.
Grand County, Utah
Lease U-05015A

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that Lone Mountain Production Company is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by UT0719 (Principal - Lone Mountain Production Company) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

RECEIVED

MAR 15 1993

DIVISION OF
OIL GAS & MINING

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS <small>(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)</small>		1. LEASE DESIGNATION & SERIAL NO. U-05015-A	
1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Lone Mountain Production Company		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 3394 Billings, MT 59103		8. FARM OR LEASE NAME Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 5'FNL, 1156'FWL At proposed prod. zone		9. WELL NO. BMG Fed. No. 4	
14. API NO. 43-019-31130		15. ELEVATIONS (Show whether DF, RT, GR, etc.)	
16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data		10. FIELD AND POOL, OR WILDCAT San Arroyo	
11. SEC. T. R. M. OR BLK. AND SURVEY OR AREA Sec. 17, T16S-R26E		12. COUNTY Grand	
13. STATE Utah			

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

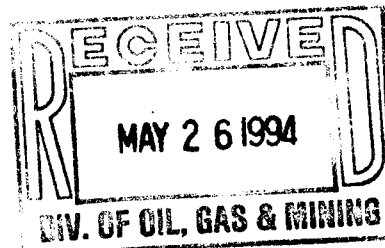
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> FRACTURE TREAT <input checked="" type="checkbox"/> MULTIPLE COMPLETE <input type="checkbox"/> SHOOT OR ACIDIZE <input type="checkbox"/> ABANDON <input type="checkbox"/> REPAIR WELL <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> (Other) Add perforation <input checked="" type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/> REPAIRING WELL <input type="checkbox"/> FRACTURE TREATMENT <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> SHOOTING OR ACIDIZING <input type="checkbox"/> ABANDONMENT* <input type="checkbox"/> (Other) _____ (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
APPROX. DATE WORK WILL START 6-15	DATE OF COMPLETION _____

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* Must be accompanied by a cement verification report.

Purpose of this notice is to open additional perforations in the Dakota as follows: 5442'-45', 5451', 5477'-80', 5499'-50', and 5511'-13'. The existing perfs from 5526'-46' will be covered with sand. The new interval will be frac'd with 20,000# of 100 mesh, and 80,000# of 20/40 sand in 75 quality N₂ foam @ 33 BPM. New perfs will be tested, the well will be cleaned out to TD and all intervals will be placed on production. Estimated start date for this work is June 15.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY**

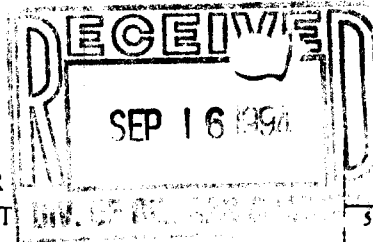


18. I hereby certify that the foregoing is true and correct.

SIGNED	TITLE Petroleum Engineer	DATE 5-24-94
<small>(This space for Federal or State office use)</small>		
APPROVED BY _____	TITLE _____	DATE _____
CONDITIONS OF APPROVAL, IF ANY:		

See Instructions On Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT



FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Lone Mountain Production Company

3. Address and Telephone No.

P. O. Box 3394, Billings, MT 59103-3394

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

5' FNL, 1156' FWL Sec. 17: T16S-R26E
(NWNW)

5. Lease Designation and Serial No

U-05015-A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

Federal

8. Well Name and No.

BMG No. 4

9. API Well No.

43-019-31130

10. Field and Pool, or Exploratory Area

San Arroyo

11. County or Parish, State

Grand County, UT

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☐ Notice of Intent
☒ Subsequent Report
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TYPE OF ACTION

☐ Abandonment
☒ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

The referenced well was perforated in the Dakota from 5442'-58' and 5476'-89' w/1 0.30" jspf (31 total holes). The existing perfs 5526'-43' were covered with 25 gallons of sand. The new perfs were frac'd with 79,000# 20/40 sand in 885 bbls of cross-linked borate gel. All sand in the wellbore was bailed and the well has been returned to production. No productivity test was run on the added perfed interval.

14. I hereby certify that the foregoing is true and correct

Signed

Title

Petroleum Engineer

Date

9-13-94

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any: